CALIFORNIA

OIL WORLD

COVERING Alaska Arizona California Colorado Idaho Montana New Mexico Nevada Oregon Utah Washington Wyoming • Western Canada

TWICE MONTHLY • SECOND ISSUE • JUNE 1961 • 54th Year Vol. 54 No. 12

Texas Engrs Library
Att: Librarian I222GR
College Station, Texas

TEXAS ENGINEERS LIBRARY
COLLEGE STATION, TEXAS

JUL 10 1961

BJ

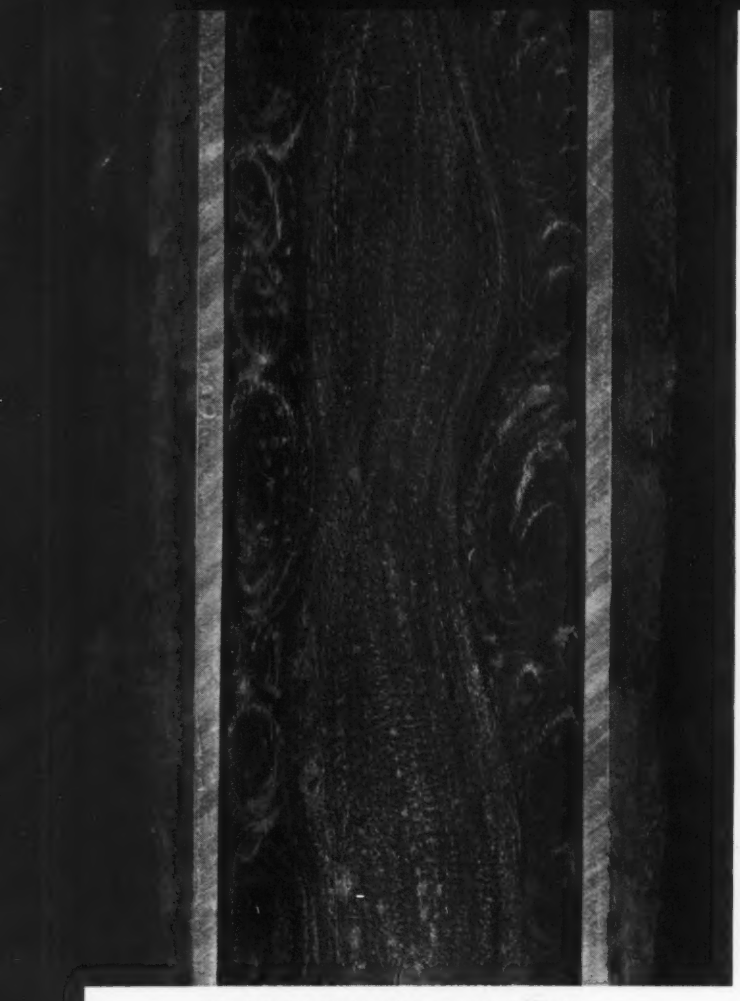
BJ

QUALITY COSTS LESS IN THE LONG RUN!

Quality

costs less

in the long run!



LOOK AT THE TURBULENCE in casing or tubing during a well stimulation treatment. Until recently, much of the available pumping horsepower was spent just to overcome this turbulence.

TURBULENCE IS SUPPRESSED when Slick Water or Slick Oil is added to the treating fluid. Injection rates may be more than doubled or required horsepower may be cut by as much as 70 per cent.

how Dowell's new friction-reducing agents help increase profits from fracturing and acidizing

These cross-section illustrations, as visualized by an engineer, show fluid flow down casing or tubing during fracturing or acidizing. They show how extreme turbulence wastes pump horsepower; much of the available horsepower must be used to fight this turbulence.

Slick Water* and Slick Oil* – the Dowell-developed friction-reducing agents for water, acid and oil – have made it possible to more than double the injection rate with the same horsepower. In other cases, a given injection rate has been achieved with only one pump instead of three. In still other cases, these agents have saved the cost of pulling tubing. High-injection-rate treatments have been performed down strings of 2⅞-inch casing in multiple tubingless completions. Slick Water and Slick Oil have made large fracturing treatments economical for some marginal wells by permitting the use of lower-cost fluids. They have helped many operators get exceptional production increases per dollar invested.

Ask your Dowell representative how these new friction-reducing agents can help you increase profits from well stimulation. Dowell services and products are offered from more than 150 offices and stations in the United States, Canada, Venezuela, Argentina, Germany, France and the Sahara area. Dowell, Tulsa 1, Oklahoma.

*DOWELL TRADEMARK

SERVICES FOR THE OIL INDUSTRY **DOWELL** DIVISION OF THE DOW CHEMICAL COMPANY

CALIFORNIA
OIL WORLD

PUBLISHED TWICE A MONTH
By
PETROLEUM PUBLISHERS, INC.

KINZIE MILLER—President and Editor • RICHARD SNEDDON—Contributing Editor
LELA MONROE—Vice President • LARRY O. MILLER—Secretary and Advertising Manager
2404 WEST 7th STREET, LOS ANGELES 57, CALIFORNIA • DUnkirk 2-6218
BRANCH OFFICES
CHICAGO—FRED JONES & SON—Room 517, 205 W. Wacker Drive, Chicago 6
CLEVELAND—HOWARD F. McCLENAHAN—1900 Euclid Ave., Cleveland 15
NEW YORK—JAY TUTHILL—501 FIFTH AVENUE, NEW YORK 17
WASHINGTON, D.C. CORRESPONDENT—LORANIA K. FRANCIS

AUDITED PAID CIRCULATION ABC

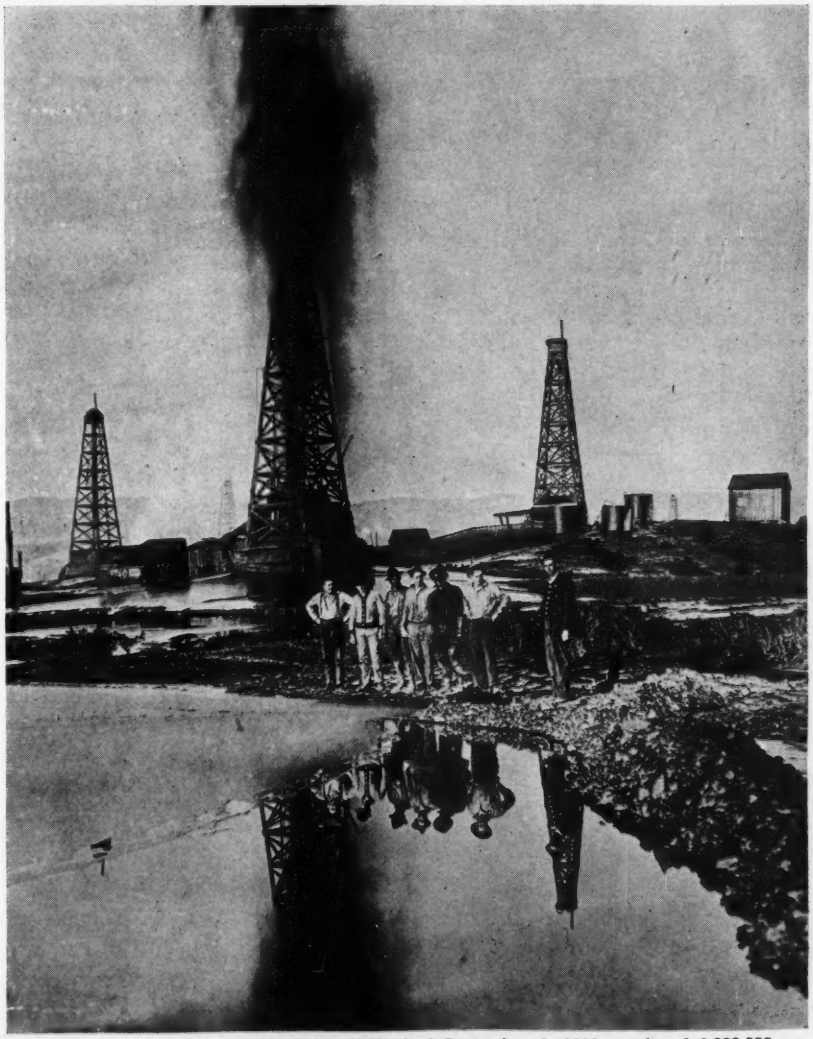
SECOND ISSUE
JUNE, 1961
VOL. 54 • NO. 12
WHOLE NO. 2066
June 30, 1961

California Oil World is published twice a month at 2404 West 7th St., Los Angeles 57, California. Second-Class Postage Paid at Los Angeles, California. Subscription price $1 per year in U. S. and possessions, $2 in foreign countries including Canada.

Deep Try in Lakeview Area

Oil men of California will get a nostalgic belt out of the news that Albert Stevenson, well known oil operator, has spudded a well on Mobil Oil Company's Essex lease in the Midway-Sunset field, just a stone's throw from the site of famous Lakeview No. 1, the most spectacular well ever drilled in the State. The project, Stevenson-Mobil No. 1, is 600 feet north and 600 feet east from the center of Section 6-11n-23w, within half a mile of the noted gusher, and is on a farmout from Mobil, which owns the Essex property in fee. R. B. Montgomery of Bakersfield was awarded the drilling contract and work is scheduled to begin on July 1, 1961. The ultimate objective is the bottom of the Lower Miocene with preliminary sights set at 13,500 feet, but the plan is to go to 15,000 feet if it should be found necessary. All engineering details will be under the direct supervision of James M. McNeill, consultant, formerly chief engineer for the Consortium in Iran and for many years a top-ranking petroleum engineer with Union Oil Company of California.

The Stevenson interests have been quietly piecing this deal together for more than a year and a half, with Frank A. Fueller, ex-Sunray land chief, doing the expertising on land acquisition and the allocation of subsurface rights. Many operators have dreamt of some similar exploitation of this area but have shied away because of the many involvements. In any case, as a result of much meticulous record searching and a long continuity of negotiations, Albert Stevenson has acquired an interest in subsurface rights (below 5,000 feet) in a block consisting of 1,100 acres, with subleases from E. B. Hall, Anchor Petroleum Company, Crescent Oil Company, and Sunset International. Indicative of the im-



Lakeview Gusher, born March 10, 1910, died September 9, 1911, produced 9,000,000 barrels (est.) 32 gravity oil.

portance of the play is the fact that Standard of California, Signal Oil & Gas Company, and Mobil Oil Company are contributing dry hole money.

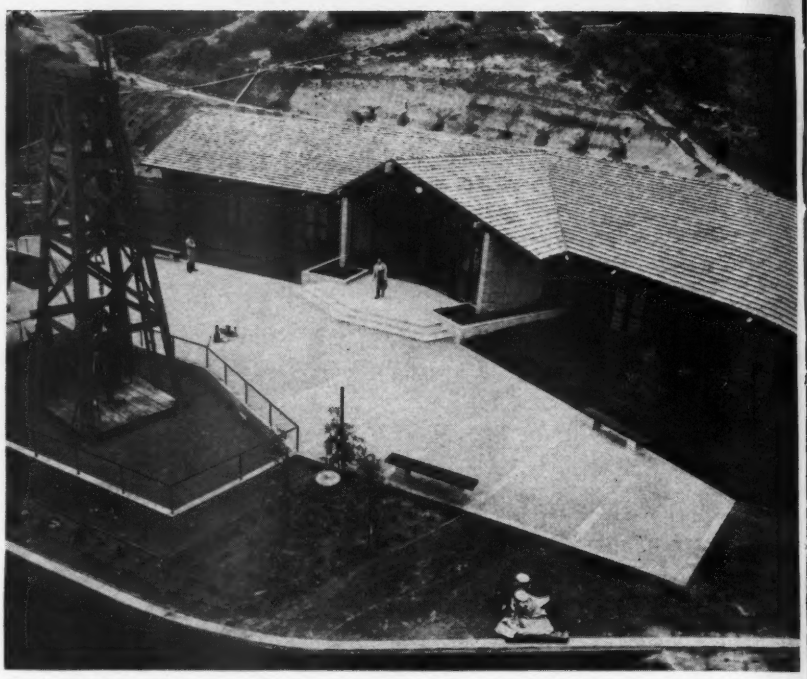
By way of memory refreshment, the Lakeview gusher came barging in on March 10, 1910, for an initial flow estimated at 15,000 barrels a day. In a month's time it was doing 68,000 barrels and showing no visible signs of diminishing. The only way it could be contained was to utilize hastily constructed earth dykes and dams in the adjacent canyons. Along about July 12 the flow began to decline. It dropped back gradually to about 18,000 barrels a day, and meantime so much sand had been produced along with the oil that it wore through the casing, which eventually collapsed, killing the well.

During the short period of its uproarious existence, Lakeview No. 1 poured forth a generous 9,000,000 barrels of oil and it looked for a time as if the supply were endless, but like grandfather's clock it finally "stopped short, never to go again," and since that day has been deader than a dodo. It was later redrilled but never did yield another barrel of oil. That's why a lot of old-timers will be watching with real excitement the drilling of Stevenson-Mobil No. 1. It could just possibly discover the source of that first flood and maybe even find another one.

Bauer Tells Engineering Feats of Project Mohole

"Project Mohole" was the subject of a speech delivered by Robert F. Bauer, president, Global Marine Exploration Company, on June 19 at the luncheon meeting of the Society of Petroleum Engineers of A.I.M.E., Los Angeles Basin Section.

National publicity attendant to the first drilling for "Project Mohole" off the Coronado Islands focused attention on the important engineering accomplishments of the Global Marine Exploration Company, which developed the floating drilling vessel CUSS 1. Bauer described some of the engineering problems and new frontiers in engineering that have been opened for the development of deeper water exploitation of petroleum deposits.



Standard Oil of California employees are now able to view relics of their company's history in this modern museum building at the Richmond Refinery. At left is a restoration of the first commercially successful oil well in California.

Standard Oil Employees Dedicate Historical Museum

Employees of Standard Oil of California dedicated a new historical museum June 25 in their recreational park at the Company's Richmond refinery.

T. S. Petersen, Standard's president, presented the $100,000 building to the employees in a brief ceremony at 2:00 p.m. at the refinery's Rod and Gun Club on the shore of San Pablo Bay.

Exhibits showing the company's history and growth have been assembled from all over the West and —contrasting dramatically with the huge, modern refinery units nearby —are housed in the new 36-by-140 foot building.

In front of the building are two of the largest of the exhibits. One is a restoration of the first commercial oil well in California, brought from its site in Pico Canyon, Los Angeles County. The other is the state's first oil refinery, transported from its original site near Newhall, also in Los Angeles County.

Also on display are wagons, lanterns, lamps and other relics pointing up important uses of oil products before advent of the automobile. Exploration, drilling, refining and marketing of oil in pioneer times also are depicted in the displays.

Shell Oil Co. Buys Bishop Oil Co.

At a special meeting held in San Francisco, the board of directors of Bishop Oil Company approved terms and conditions of an offer for purchase of all of Bishop's oil and gas properties and all of the stock of the company's wholly-owned Canadian subsidiary (Canadian Bishop Oil, Ltd.) by Shell Oil Company.

The board voted to submit the proposal to Bishop shareholders for their approval at a meeting tentatively scheduled for August.

Donald I. Lawless, Bishop president, said Shell has offered $5,620,000 for the Bishop properties, subject to audit and verification of titles.

He announced that sale of the properties was approved by the board as part of a proposed plan for complete liquidation of the company within one year after shareholders have voted their consent.

Under the liquidation plan, all other Bishop assets except a holding of 88,136 shares of Flintkote Company common stock will be converted into cash for distribution to shareowners. The Flintkote stock will be distrib-

uted to Bishop shareowners on a pro-rata basis.

At present market value of the Flintkote shares, the distribution to Bishop shareowners in cash and stock is estimated by Lawless as approximately $15 per share.

Bishop was organized in 1920 by William Wallace Mein of San Francisco. Its first operations were in the fabulous Richfield-Placentia oil producing area of the Los Angeles Basin.

The company now holds nearly 20,000 acres of properties in California, Kansas, Montana, Nebraska, North Dakota, Oklahoma, Texas, Colorado, and Canada.

The company's gross production of crude oil during the first quarter of 1961 averaged 2213 barrels a day.

Second Half 1961 Import Quota

The Department of the Interior has just announced a District V crude oil import quota of 230,000 b/d for the second half 1961.

This quota, according to Oil Producers Agency of California, is 12,000 b/d higher than the 218,000 b/d figure for the first half 1961 but is 33,000 b/d lower than the one for the second half 1960, which was 263,000 b/d.

The Agency recommendation, on a comparable basis, was 218,000 b/d. The difference is 12,000 b/d, which, in relation to reasonable estimates of total demand (approximately 1,400,000 b/d), is less than 1%.

The quota is based upon U. S. Bureau of Mines estimates of supply and demand.

Estimates vary in some details, but the difference in Agency and U. S. Bureau of Mines estimates of total supply is only 2.7%, while that in estimates of total demand is 1.3%.

The result is that the Bureau of Mines gross deficit between domestic supply available to the District and demand in the District is 305,000 b/d; the comparable Agency figure is 293,000 b/d.

In recognition of the fact that the District V quota is determined upon estimates, and in recognition of the fact that differences in Agency and Bureau of Mines estimates are only from 1.3% to 2.7% apart, the quota for the District for the second half of 1961 appears reasonable.

Round Power Demonstrations By Mission Manufacturing Co.

Announcement of an agreement by Mission Manufacturing Co. to package and sell AiResearch gas turbine engines for oil field use kicked off a week-long demonstration of turbine applications at Mission's Houston plant last month. Trade mark of the new Mission-AiResearch team is "Round Power."

More than 1,000 petroleum and industrial leaders throughout the United States and Canada witnessed the Round Power demonstrations. The featured AiResearch gas turbines sand blasted heavily corroded metal to a shiney new brilliance in seconds, cleaned and coated the inside of pipe lines, pumped 550 gallons of water per minute 300 feet in the sky, and air drilled through solid granite at the remarkable rate of 22½ feet per hour. Compressor, shaft power and combination gas turbines ranging from 30 to 850 horsepower were exhibited and operated.

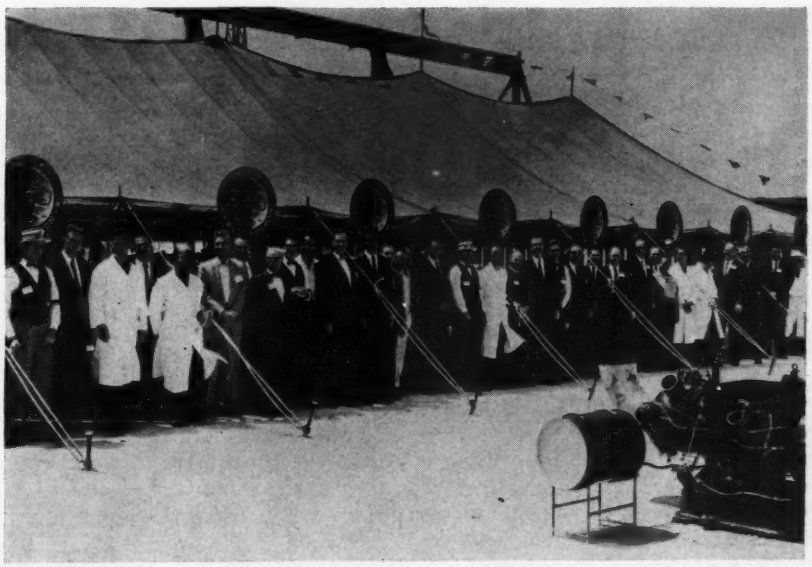
The Garrett Corporation's AiResearch Manufacturing Division brings to the Round Power team considerable experience as a gas turbine manufacturer. AiResearch Phoenix is the world's largest producer of small gas turbine engines in the 1,000 and less horsepower class. Mission is a long-time leader in the oil and mining industries.

Standard Oil of Calif. Holds Seminar

Four Southern California university professors were selected for participation in Standard Oil Company of California's Tenth Annual Faculty Seminar held in San Francisco June 18 through 23, 1961, it was announced by K. W. Kendrick, vice president and regional manager, Standard Oil Company of California, Western Operations, Inc., Los Angeles.

Representing Southern California at this program, which brought a total of eighteen American and Canadian professors together for a comprehensive study of the company, were Dr. Hugh G. J. Aitken, associate professor of economics and chairman of the Division of Social Sciences, University of California, Riverside; Dr. Andrew F. Rolle, associate professor of history, Occidental College; Dr. Halvor G. Melom, professor of history, Long Beach State College; and Dr. W. Ardeli Stelck, associate professor of history and chairman of the Division of Social Sciences, San Fernando Valley State College, Kendrick said.

The Faculty Seminar program, Kendrick said, was established by the company to develop an understanding of the company's operations throughout the world and to share in a mutual exchange of ideas between company management and outstanding educators.



THREE SHOWS a day accommodated more than 1,000 petroleum and industrial leaders during the week of Round Power demonstrations by Mission Manufacturing Co. and AiResearch in Houston last month.

Petroleum LORE and LINGO

By RICHARD SNEDDON

The Petroleum People

Much has been said and written about the machines and processes of the oil industry and the multitudinous and variegated products these have created for the convenience and comfort of mankind. Orators and scribes have also dilated on the burgeoning arts and skills of the petroleum people, but none has thought it worthwhile to expatiate on the fundamental nature and particular personal attributes of the inhabitants of the derrick groves, although they undoubtedly constitute one of the most colorful and in all respects interesting segments of human society. None has dallied with them in the doghouses to find out what are the motivating influences in their strenuous lives; what are the subjects of their more intimate conversations; and where and how do they spend their free time.

The Motive

After almost 40 years of mingling with oil workers in practically all phases of the business, we feel qualified to answer these so far unanswered questions with some degree of authority, and here prepare for a real surprise: The motivating influence in the lives of most oil men is women; the subject of their most intimate conversations is women; and where they spend most of their free time is with women, usually their own wives, of course; but there are unattached and predatory members of the flock who are free to carry their explorations and researches in this area far afield.

Misconceptions

It is a popular belief that all oil men are big, tough, hairy-chested, cigar-smoking, metal-helmeted chaps who have no time for displays of sentimentality or the normal human emotions. The ones that show up at hotels and motels on the edge of the desert or the fringe of the forest seem to be going to or coming from "the well" at all hours of the day and night. Their toings and froings are highly demonstrative activities in which there is prolonged serious discussion in weird oil field jargon over blueprints or maps, followed or preceded by gusty jugglings with heavy valves, bits, and/or other pieces of drilling equipment. Such glimpses of homo petroleumensis in his field form, together with movie depictions, justify the layman in his impression. The layman, however, should understand that these just happen to be easily recognizable members of our colorful fraternity.

The Great Majority

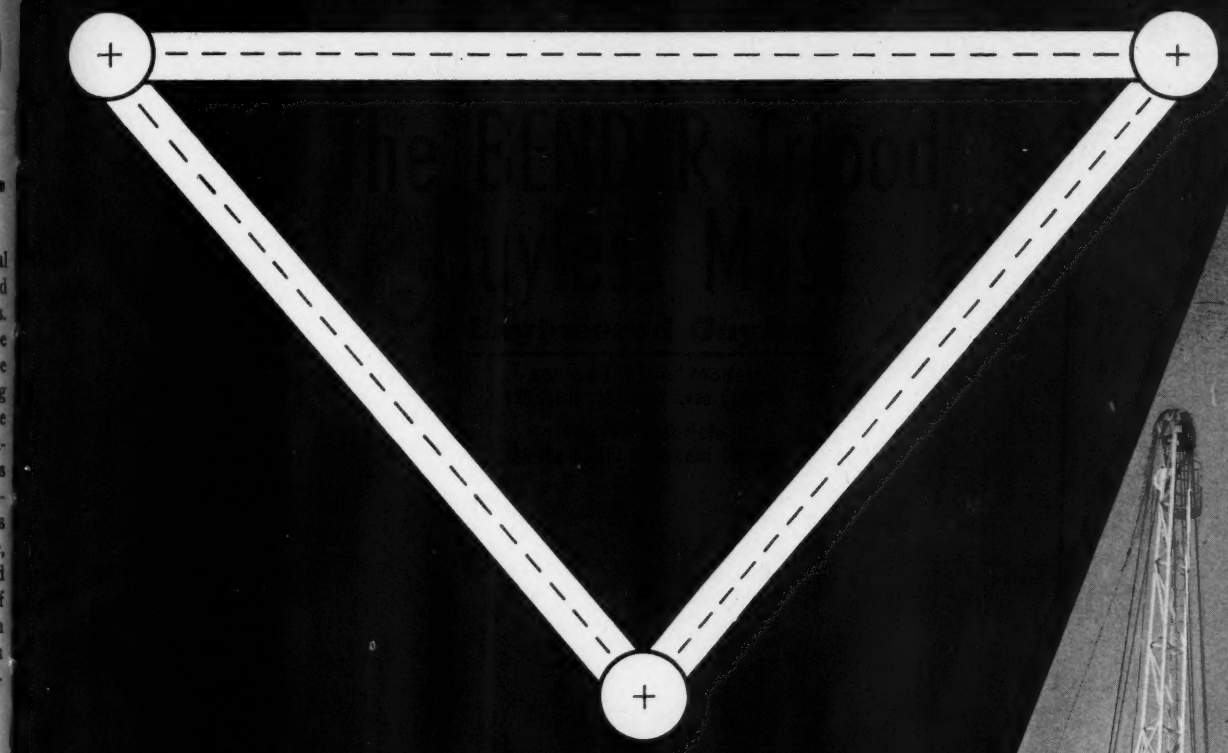
There are thousands more who can't be distinguished from people because they don't affect khaki work shirts and pants, heavy brogans and tin hats, and they don't dash about in pick-up trucks. Nonetheless, they belong to the same genus, have hydrocarbon corpuscles coursing madly through their veins and in general are smitten in no minor fashion by the petroleic virus. When their work day is done they watch television, read newspapers, attend church, school or service club meetings and become just as totally immersed in community interests and activities as any other citizen. They are well paid and happy in their work, but the proportion of them who acquire great wealth overnight is no greater than that in other stable industries. The contention, indeed, that an oil man with only one swimming pool is a business flop has about as much basis in truth as the story of Jack and the Beanstalk.

Emotions

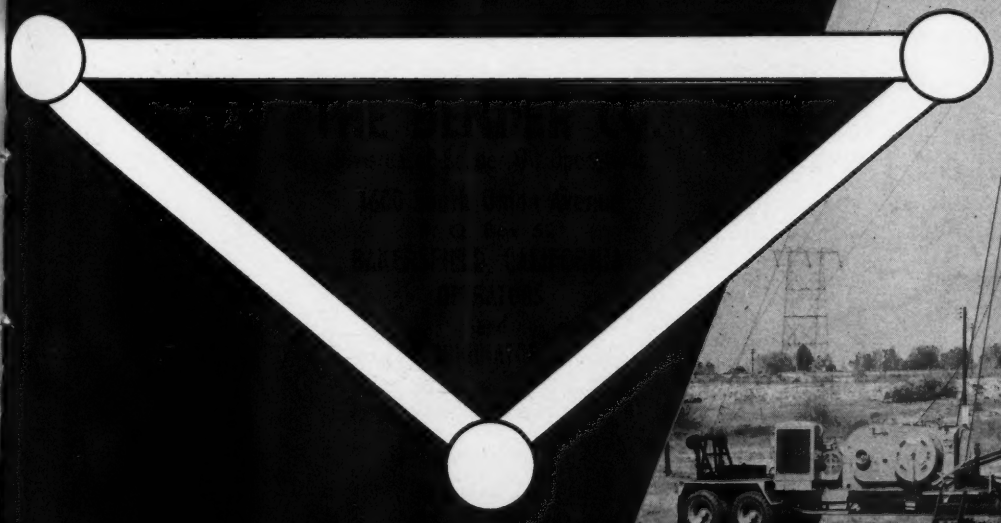
It is not our purpose here to dilate on the inward goodness of the oil people, to which, however, we could attest from first-hand experience. There is no more sympathetic or more kindly disposed aggregation in the wide swath of the industrial world, and we include the big, strong men with the tin hats and the soft hearts as well as the supposedly less virile ones who wear conventional clothes with their soft hearts and tend to frequent the downtown areas. But it is when we contemplate the amusements and diversions of the oil man that we discover interesting quirks of behavior. There is no one more dedicated to the art of strenuous relaxing than he. Executives awaiting the congregation of a lunchtime domino quartet are as nervous as race horses at the starting gate, and thereafter, for the next hour and a half or so, they live in a state of almost ethereal exhilaration when fortune favors them or alternately in the deeps of despair if their opponents are having a bit of luck.

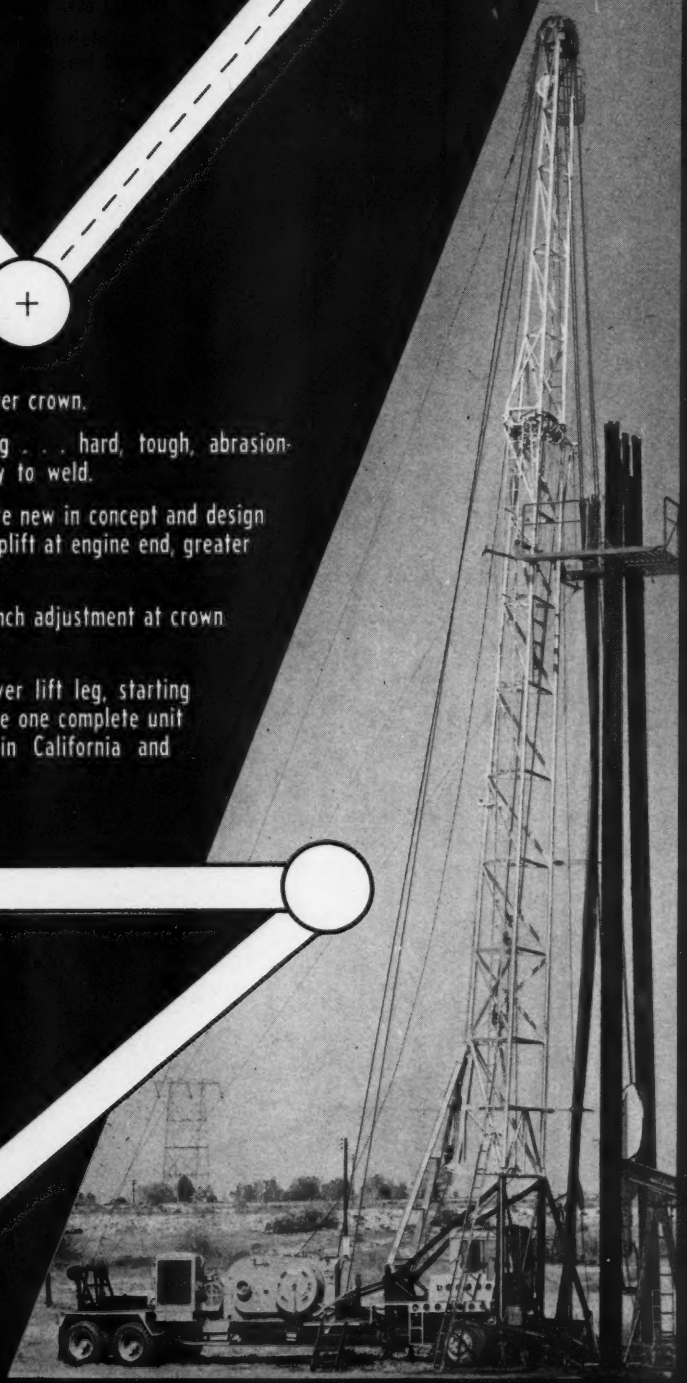
The Tile Tossers

Dominoes is more a battle of words than skill and every player has his own repetitive expressions of delight or disgust, which he voices at intervals of a few seconds or a few minutes, as the occasion demands. Frank Fueller, the retired Sunray land chief, clutches his temples and moans, "All is lost!" Stark Fox inspires his partner with, "Now, hit him a lick!" The late Al Mitchem was the author of "Come on, now, don't just sit there!" Bill Thornbury commiserates with his opponents by remarking sadly, "Oh, the poor fellows!" or brings them to a grinding halt with a peremptory "Just a minute there, stranger." Ed Bartosh announces his count in baseball lingo; for example, "It's a three-bagger." Paul Broxon used to declare at the start of each game, "We're here to cut up Leovy!" The late Truman Boyd's favorite was, "I wouldn't have done it to a dog!" Paul Terry used to say, "You've got to have the stones!" Elmer Wycoff showed his contempt for the opposition with, "Well, I'll be darned, they don't know the game!" Paul Whiteley's partner, when he plays a counter, is "a manly little fellow!" Don Grable says, "Let's pick up the nuts and run!" Art White alternate-



- All three mast legs equally loaded with patented cross-over crown.
- Mast legs of round, seamless, ultra-high-strength tubing . . . hard, tough, abrasion-resistant and extremely difficult to dent or damage. Easy to weld.
- Combination swept-forward front legs and outriggers are new in concept and design — Permit straddling well-head and cellar. No vehicle uplift at engine end, greater sideways resistance to wind overturn. (Pat. Appl. for)
- Eccentric hinge pin at base of lever lift arm permits 18-inch adjustment at crown block for centering over well. (Pat. Appl. for)
- On the 66-ft. and 81-ft., 6-in. models, entire structure, lever lift leg, starting legs, combination front legs and outriggers and frame are one complete unit for easy mounting on truck, trailer or drivein. Legal in California and Texas.





ly congratulated his partner on his excellent pegsmanship with an "Oh, good show, Alfie!" or bemoans his own bad luck with a sepulchral "I wouldn't have believed it!" Eric Lemke pats himself on the back after each play with a deliberately enunciated "Pretty clever, eh?" And, of course, the all pervading question in the game room is that grammatical classic, "Whom is on set?"

Dominoes Anonymous

It is astonishing how devoted to this weird species of speculative enterprise the oil men become. The click of the ivory pieces is just as irresistible to them as are old clothes to a hungry moth. Some have been so inescapably entrapped that there is talk of forming a Dominoes Anonymous. There is actually no cure for addiction, however, but such an institution would at least provide an opportunity for those who are "hooked" to commiserate with each other. This is probably the most popular club-type game in the petroleum sports lexicon. Indeed, I am reasonably certain that a census would show it to be the number one game in the Los Angeles city clubs. In some it is not played at all, but in others it leads so predominantly that the over-all count highly favors the tile-tossing pastime.

The Rules

For those who are not familiar with this dubious art, it is a sort of arithmetical binge involving four players (usually), twenty-eight spotted tiles, or rocks, and more badinage than a political donnybrook. The word domino, you will be excited to learn, comes from the Latin dominus, meaning "a master." It is quite appropriate, too, because the hired hands normally have to get back from lunch at 1 p.m. and so the masters are the only ones with enough time to devote to a complete domino joust, which consists of three games. The pair that cops two out of the three is declared the winner of the match. This is a bit of a laugh, really, because the one game they lose may be a skunk or blitz and cost them much more than they won on the other two. The count is pegged on a cribbage board and each hand must be played out because while 61 is the winning number, if both teams round the 60 corner in the same hand it isn't the one to do so first that wins but the one that goes farthest. There are two rows of 30 holes on a cribbage board and if the losing team fails to round the 30 corner before the other has gone out this is a "skunk," than which there can be nothing more humiliating or costly. A team that suffers this sort of experience also suffers a serious loss of social standing and, having to pay off double, is a nasty smack in the wallet, which is easily the tenderest area of the male anatomy.

The Purpose

Some people merely seek to make a pretty design when they play dominoes, but the real objective is to make the exposed ends of the train add up to multiples of five. Each even five is rewarded with a point or a pint, as the case may be, plus a dirty look from one's opponents. The four players in each game are divided into pairs laughingly called partners and we have an inventive friend who is working on a scheme to divide them still further. In any case, they sit opposite each other with the dominoes on the playing table, and to the left of each player is a smaller table for holding such goodies as Schillinger Specials, tamale and beans, and fillet of Mahi Mahi. These are left untouched in the excitement of the game until they are colder than a beagle pup's nose, and if they were being served at home a certain little lady would be given a sharp helping of hail Columbia.

The Larygeal Aspects

The whole process becomes a strenuous form of vocal exercise and it is really interesting to watch the better players limbering up before an important match. Some of them prance around, flexing their beautifully developed epiglottises and practising hoarse shouts of triumphant laughter, stinging retaliatory wisecracks and just plain sneers! Others are intent on perfecting their drawing and pegging techniques and we have even seen enthusiasts practise setting by the hour, laying down a double five time and time again until they could actually place it on the table with their eyes closed. The game has many variations but the language is the same for all of them, and by way of interesting commentary, dominoes has driven more people to the boneyard than all the depressions in economic history. When playing with strangers, it is a good idea to check on the method of scoring. That differs, too, in various places. For example, in Los Angeles when a player draws five doubles his team counts ten, the hand is over, and the set passes to the next player. All Bob Smith's domino life he had never drawn five doubles, not at least until he took a hand in a noontime joust up in San Francisco, and then it happened—he picked up a quintet of beautiful twins. Pleased as a lawyer with a lifetime retaining fee, he laid them down with a scream of delight and started to peg ten. But he had to

pick them up again and play out the hand. Five doubles have no value in Baghdad by the Bay.

Gin Rummy

The next most popular indoor sport among the oil people is another kind of conversazione entitled "Gin Rummy." Since the advent of this form of skullduggery, balance joint-account bank books are as rare as diamonds in a dime store. The reason for this is that the confirmed gin rummy player gets into the jaunty habit of dashing off a check to pay for his indiscretions and bad judgment. Subsequently, although he can remember every card his opponent has played in the course of a full evening of tilting, he can never remember to tell his wife about these checks. That, of course, is why the wife of a gin rummy player nearly always refers to her husband as a gin rummy. Incidentally, a new variety of the game has recently been developed. It is called Vodka Rummy and it leaves no telltale odor on the breath.

The Origin

Many experts have tried to trace the origin of gin rummy back to the days of William the Conqueror or at least to the landing of the pilgrims at Plymouth Rock, but the fact is that the devisor is a man of our own generation. It is not known yet how he shall be punished for his misdemeanor but obviously such sanctions as may be visited upon him should be severe enough to balance the enormity of the crime. Next to the coffee break, this is the greatest time-squandering medium ever discovered. Efforts have been made to attribute the name "gin rummy" to some plausible scientific source, like the Shintoese djinn, meaning "a performance," and the Cockney word rummy, signifying "strange" or "unusual." However, this etymology has not been accepted, largely because very few of the players know what etymology means.

The Real Truth

Actually, the inventor of the game states emphatically that there is nothing abstruse about the origin of its name. He insists that it was called after the well known beverage, now in wide use among oil men for improving the flavor of olives, for the simple reason that both gin and gin rummy have a pronounced tendency to promote garrulity and a confused state of mind. The most popular variety of play, Hollywood, is simply a complicated version of old-fashioned rummy lengthened into a course in higher accounting by the introduction of premiums, imposts, a triple-entry system, and a barrage of sarcasm. But it is in the scoring that the process really goes berserk. Any time you see four perspiring men sitting at a card table, three of them plainly visible and one buried in a mound of crushed papers, you have just seen a gin rummy game. The three with the sneers on their faces are the ones who told the volunteer scorekeeper in the first place that he would never make it, and if they can prevent it he never will. There is nothing more unhelpful to the cause of world peace than a gin player who suspects either the veracity or the capacity of the scorekeeper.

The End Point

Foursome play is carried on by alternate pairs until one member of each pair either receives a winning card from his opponent or picks it off the deck. Thereupon he vents a triumphant shout of "gin!" and says to his opponent as he slaps him on the back, "Come, come, Junior, leave us see what you've got." Crying softly, Junior lays down his hand and reaches for his checkbook, meantime calling on all and sundry to state whether or not they have ever seen or heard of anyone having such dastardly luck. While all this is going on, the scorekeeper pops out of his paper mound like a gopher, makes a few frenzied notes, and ducks back in again. Several hours later he emerges once more with hair disordered and a peculiar stare in his eyes. He asks vacantly, "Wha' happened?" At this point two gentlemen in white lead him gently but firmly away and the Hollywood system has claimed another victim.

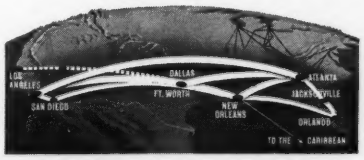
Spit in the Sink

The oldest and most universally played card game in the derrick groves is poker, which derives its name from the fact that it has stirred up some pretty hot situations. The popularity of the game is due, at least in some measure, to the fact that most players would love to pay off the balance on their TV sets in one lump sum, and partly it stems from the belief of all players that successful performance requires a

DELTA

announces a New Southern Transcontinental Jet Route linking California with the Southeast

Now 6 Jet flights daily between Los Angeles and Atlanta! Non-stop service in slightly more than 4 hours . . . other jet service links Los Angeles and Atlanta by way of Dallas / Ft. Worth and New Orleans. Plus new thruplane DC-7 service linking San Diego with Jacksonville and Orlando, via Dallas / Ft. Worth and New Orleans. Effective July 1, Delta service to Las Vegas.



Delta's new routes to the West Coast

DELTA

A New Southern Transcontinental Route

special analytical acumen that all other players lack. For instance, if you are playing stud, have two threes in your hand and two are showing on the board it is futile to draw for another three. There are other little bits of philosophy we'll be glad to communicate to anyone who is willing to sign up for the Snedderhorn Course in the Law of Probabilities and where to get the money to enforce it.

How It Starts

A poker game is usually arranged by one of the fellows at the office whose wife has gone back East to visit her folks and he has a quaint idea that he can clean up the mess before she returns. The accoutrements of the game are a deck of cards, an immobile face, some colored discs, several six-packs of your favorite beer, a plate of salami and crackers and one small ash-tray. All poker players smoke and use the little ash-tray but nobody ever empties it. The result is terrific. The thing spills match folders, empty cigarette packages, cigar and cigarette butts, and ashes, until the entire assembly is literally engulfed and the game can no longer proceed. Then, of course, it simply has to be emptied, so the players cut cards to see who will carry it over to the wastepaper basket.

The Preliminaries

The game is begun by each player purchasing a stack of chips, which he thereafter knocks down, restacks, counts and recounts at intervals of 12 to 20 seconds. Then everybody antes but one and all the others ask, "Who's in twice?" The dealer then gives five cards to each player and the one who fancies his chances most pushes some more chips to the center of the table and says, "She's open for a buck!" Whereupon four other players throw in their hands and go out to the kitchen to build three-layer salami sandwiches. The remaining player, just recently the beneficiary of a small legacy, pushes in some chips, too, and rolling his cigar over to the other corner of his mouth, remarks superciliously, "Well, that got rid of the shoe clerks." The remaining two then toss away their bad cards, draw substitutes, and have at it, alternately pushing in stacks of chips and tossing nasty aspersions at each other's ancestors, until one becomes frightened and runs like an ape with a striped posterior or they decide to have a showdown.

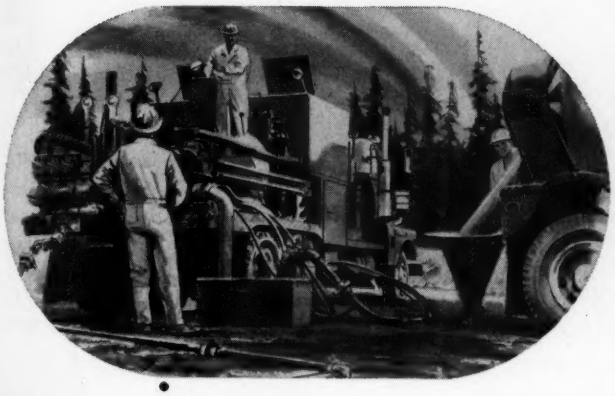
Poker Fundamentals

Poker is somewhat like gin rummy in that the winning hands consist of combinations of like cards or full sequences; but this is the game that really has variations. There are more kinds of poker than there are mongrel dogs and it is played by oil men in all parts of the world. Once a field crew was having a game in Texas with deuces, aces, jokers and face cards wild. One of the players was just about to pick up the pot with eight jacks when it was discovered that the crook had put mustaches on his queens. It should be remarked here that a poker player is usually a pretty smart cookie. At any instant he can determine the exact mathematical chance of improving his hand on the draw. For instance, according to Oswald Jacoby, if you hold one pair and an ace kicker, your chances of completing a full house are 118 to 1, and according to Oswald Snedderhorn, if you actually do come up with a full house, your chances of ever again being invited to play with the same gang are 418 to 1. Just one last word of warning in this connection: Do not—repeat, do not—teach your wife to play dominoes, gin rummy or poker! If you do, in no time she will beat you to a frazzle, and anyone with any sense knows that any game at which a man's wife can beat him is silly.

Wally Sawdon, well known executive secretary of the NOMADS, and Mrs. Sawdon leave Copenhagen via SAS for home after wonderful trip through Europe.

TWO PROVEN HALLIBURTON FLOAT VALVES

DESIGNED for CEMENTING ECONOMY



SAVE ON INITIAL COST

SAVE TIME IN RUNNING CASING

SAVE EXCESSIVE DERRICK STRAIN

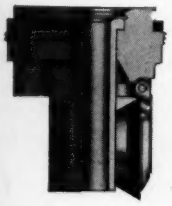
SAVE ON DRILL-OUT TIME

INSERT FLOAT VALVE

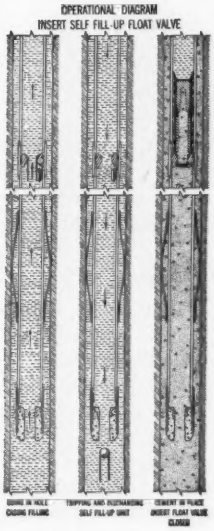
This Halliburton tool is low in cost, simple in design and efficient in operation. Installed by a short thread inside the casing coupling and sealed between the casing ends, no length is added to the string. Eliminates two threaded connections for each valve used in the string.

Designed for use in wells where a medium range of differential pressures exist, the assembly consists of a readily-drillable cast aluminum body, flapper valve and spring and two rubber sealing rings. The stout spring helps hold the valve closed during floating-in and after cementing is completed. This tool is excellent for use with a "DV" Multiple Stage Cementer.

INSERT SELF FILL-UP FLOAT VALVE



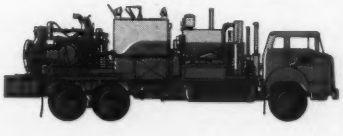
A combination of the Insert Float Valve described above and a simple self fill-up assembly incorporating a plastic orifice tube, the Insert Self Fill-Up Valve was designed for use in filling casing in areas where field conditions sometimes interfered with other fill-up devices. See illustration. A preselected, special size orifice tube holds the valve open allowing the casing to fill going in the hole. When the casing is within a few joints off bottom, a weighted plastic ball (furnished) is dropped and seats on the valve. After reaching casing point, pressure is increased to break the orifice out of its seat. The plastic flow tube and ball drop through the guide nose to the bottom. The valve then closes and acts to help keep cement in place after the cementing operation.



ASK your local Halliburton Representative about these proven valves. He will help you select the proper unit to match your well's requirements.

CEMENTING SERVICES

"TOOLS AND EQUIPMENT TO MATCH THE JOB"



Halliburton
COMPANY · DUNCAN, OKLAHOMA

CALIFORNIA DIVISION OFFICE: 1709 West 8th Street, Los Angeles 17, California

Personalities IN THE NEWS

Smith Industries International Makes Executive Appointments

Due to the continued expansion of Smith Industries International, Inc., **Donald E. Graham,** president, recently made several executive appointments which will place the administrative, sales, manufacturing and engineering operations of the corporation's various divisions under centralized management.

Kenneth H. Swart

Kenneth H. Swart has been named to the newly created post of executive vice president and general manager. He was formerly president of Smith Tool Co. **Arthur S. Marshall** was appointed vice president, sales; **Manuel L. McAllister,** vice president, manufacturing; **Robert F. Evans,** vice president, engineering; **H. M. Nelly, Jr.,** vice president; and **Harry E. Kidder,** director of industrial relations. With the exception of Mr. Nelly, all held similar positions with Smith Tool Co.

Presently Smith Industries' divisions include Smith Tool Co., Smith Dynamics, Bufnel Co., Smith Forge Co., and Barrenas de Mexico.

New Motor Company Promotions Announced

F. C. Schulze, Waukesha Motor Company's vice president of sales, has announced the appointments of **Robert A. D'Amour** as manager of manufacturer sales, and **Roland R. Heideman** as manager of distributor sales.

D'Amour joined the Motor Company in 1952 after serving as sales engineer and assistant regional sales manager for the Cummins Engine Manufacturing Company, where he had been employed after his graduation from the Michigan College of Mining and Technology. As a sales engineer for Waukesha, he sold engines and power units throughout the Midwest area. He was appointed assistant sales manager in January, 1960.

Heideman is a native of Waukesha. After his graduation from Carroll College he joined the service division of the Motor Company in 1934. In 1949 he was transferred to the sales division of the company's California branch, where he worked with West Coast distributors and engine-driven equipment manufacturers as sales engineer, and in later years as assistant branch manager.

Arthur S. Marshall

Fred Pruter, Jr.

International Inspection Appoints Sales Manager For Tubular Products

Fred Pruter, Jr., has been appointed sales manager, tubular products, for International Inspection Inc. (Triple-Eye) and will headquarter at the Halliburton Co. office in Bakersfield. The announcement was made recently by **H. B. Hurley,** senior vice president of this Halliburton subsidiary.

Pruter, a native of Dallas, was formerly with Sperry Western Company for five years. He graduated from Stanford University in 1942.

Triple-Eye is engaged in ultrasonic inspection of oil field tubular goods and pressure piping and vessels. The company was formed in 1960 with headquarters in Houston and Pasadena. New quarters in Pasadena are located at 275 Halstead St., phone ELgin 5-4202. Triple-Eye service crews are now working in all major drilling and refining areas.

John Collins Named Division Credit Manager of Continental-Emsco Company

John Collins has been appointed division credit manager of Continental-Emsco's California Division at Los Angeles. He began his employment with the company in 1955 as a trainee in Fort Worth. Collins has also been a credit representative at the company's Midland and Houston offices.

G. T. Tobiasson Named Special Assistant at UOP

George T. Tobiasson has been named special assistant to **Col. J. C. Raaen,** vice president and general manager of the research laboratories of Universal Oil Products Company. Tobiasson will be responsible for coordination of activities testing at UOP.

Formerly supervisor of the company's catalyst evaluation laboratory, Tobiasson has been with UOP 41 years and was the first UOP employee to reach the 40-year service mark.

Motor Company Names Sheller Manufacturing Vice President

A. Foster Sheller has been named vice president of manufacturing of the Waukesha Motor Company in an announcement by **C. E. Nelson,** president. In his new position, Sheller will supervise and coordinate activities of the departments within the organization directly concerned with, or closely related to, the manufacturing process.

Sheller has a wide experience of production and manufacturing management. After graduating from Iowa State College with the degree of bachelor of science in electrical engineering, he attended the Harvard Graduate School of Business Administration. In August, 1957, after acting as a management consultant, he joined the Waukesha Motor Company. He was named manufacturing manager in December, 1959.

TOM ASHE
announces his association with
EBERLY TRAVEL SERVICE
Suite 317, Wilshire Medical Building
1930 Wilshire Boulevard
Los Angeles, Calif.
Telephones HU. 3-6414, HU. 3-7101
24-Hour Answering Service

Edward A. Gribi, Jr.

Edward A. Gribi, Jr., Returns To Consulting Practice

Edward A. Gribi, Jr., has announced his return to full time consulting geological practice at 229 Vivian Street, King City, California.

Most recently with Westates Petroleum Company in Los Angeles, he has been a geologist for Sinclair in Ethiopia, for General Petroleum in California, and was a consultant in Great Falls, Montana, from 1953 through 1956. He is a 1948 Stanford graduate.

Reed Roller Bit Promotes Two

In a move to strengthen its sales managerial operations, Reed Roller Bit Company has appointed **C. J. Fontaine** and **B. A. (Beau) Wendt** to two new top-ranking sales positions. Announcement was made by **W. E. Scarborough,** vice president of sales.

Fontaine, Reed's divisional manager of Central American Sales for the last 16 years, has been named domestic sales manager, while Wendt, Texas Gulf Coast division sales manager, has been elevated to assistant to the vice president of sales.

As domestic sales manager, Fontaine will direct sales and service of Reed rock bits, tool joints and drill collars throughout the U. S. Mr. Wendt will serve directly under Mr. Scarborough, coordinating sales activities of Reed oil tools.

Three Personnel Appointments Announced by BJ Service, Inc.

Three new assistants to the sales manager have been named by BJ Service, Inc., as part of the company's continuing expansion program in the Mid-Continent and Gulf Coast Regions, according to an announcement by **A. M. Birnie,** vice president of this Borg-Warner subsidiary.

The appointments involve **Henry A. (Red) Coleman,** Abilene (Texas) division office; **Jim B. Gardner,** Corpus Christie (Texas) sales office; and **Herbert A. Bergman,** New Orleans (Louisiana) sales office. All three appointments are effective immediately, Birnie said.

BJ Service offers cementing, acidizing and fracturing services throughout all major oil-producing areas in the United States, as well as wire-line services in the Rocky Mountain and Pacific Coast regions. Administrative offices are located in Long Beach, California, with general sales offices and technical laboratory headquartered at a new company facility in Arlington.

Long Beach D&D Club Hears Robert Crow

Robert Crow, councilman and owner of Crow's Restaurant, spoke on "The Subsidence Problem in the Oil Industry" on June 21st at the Petroleum Club, Long Beach.

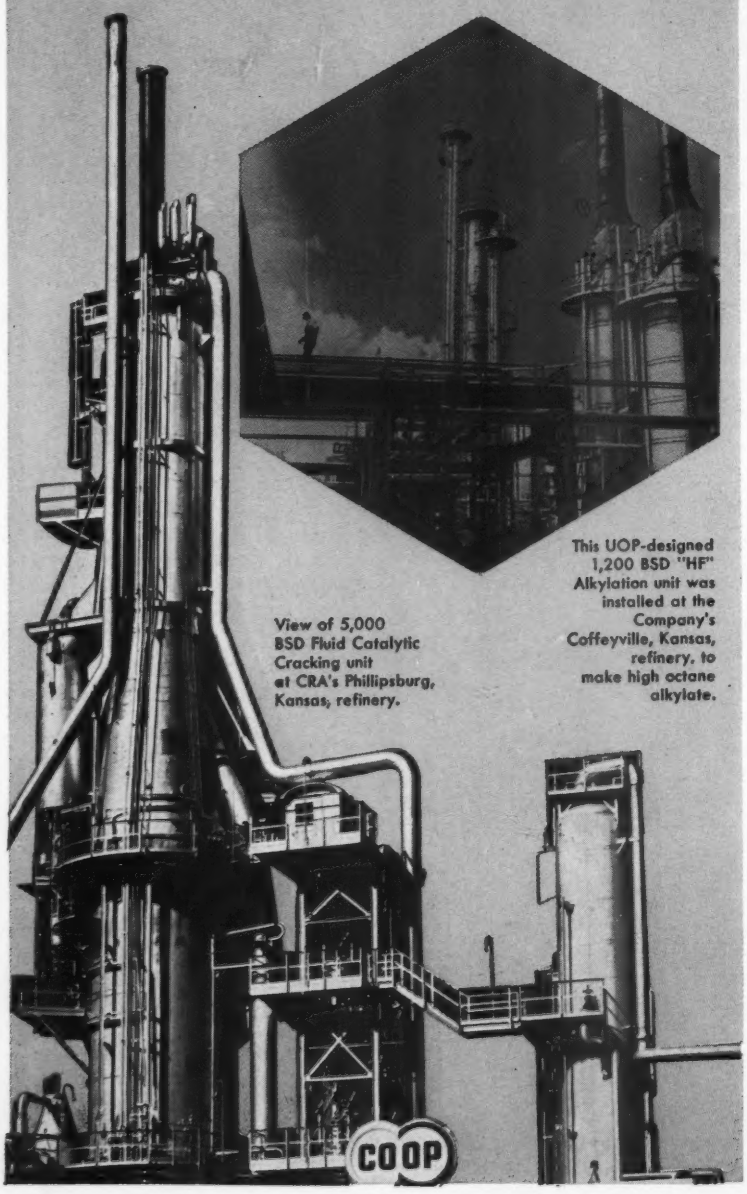
Crow, a native Californian, has just returned from a trade mission to the major cities of Europe, acting on behalf of the Harbor Department, Long Beach.

Desk and Derrick Club members also welcomed Mary Pancoast, regional director, who was here to help celebrate the tenth anniversary of Desk and Derrick Clubs in America.

President Margaret Ericson touched on preliminary plans for the annual forthcoming "Hard Hat" contest, and reminded members to prepare for the A.D.D.C. convention in Houston, Texas, this fall.

SMITH-EMERY CO.
Chemists—Engineers
Established 1910
Metals—Oils—Waters
Analyzed and Tested
Shipments Certified
781 E. Washington Blvd.
Los Angeles 21, Calif.
Member
American Council of Independent Laboratories

5,000 BSD Fluid Cat Cracker Helps CRA Meet Growing Demand for High Octane Gasoline.



This UOP-designed 1,200 BSD "HF" Alkylation unit was installed at the Company's Coffeyville, Kansas, refinery, to make high octane alkylate.

View of 5,000 BSD Fluid Catalytic Cracking unit at CRA's Phillipsburg, Kansas, refinery.

First U.S. Co-op Refinery Founded on UOP Technology

By Bruce H. McCully
General Manager
Consumers Cooperative Association
Kansas City, Missouri

Bruce H. McCully

Since 1940, when we placed our first refining units on stream we have relied on UOP to provide the processes necessary to manufacture top-quality petroleum products. Catalysts and technical services in conjunction with the UOP processes have been an important aid in helping us produce economically the highest quality petroleum products.

During our earlier years, CCA often experienced difficulty in obtaining consistently high quality refined products from suppliers. This greatly influenced our decision to refine our own crude through a subsidiary, Cooperative Refinery Association. Constantly striving to increase both quantity and quality of refined products consistent with demand, CRA has achieved product quality through the installation of modern petroleum processing equipment.

Refining Started in 1940

The Phillipsburg plant, placed on stream in 1940, is not only CRA's first refinery, but it is the nation's first cooperatively-owned petroleum processing plant. Charging between 11,000 to 13,000 BSD of crude oil, this refinery employs UOP processes producing products marketed to Midwest farmers.

UOP processes at Phillipsburg include a 5,000 BSD Fluid Catalytic Cracking unit with gas concentration facilities, a 750 BSD Catalytic Polymerization unit, a 3,500 BSD Unifining* unit and a 2,500 BSD Platforming® unit.

The FCC and polymerization units were placed on stream in 1953 to satisfy growing farmer demand for increased quantities of high octane gasoline. As the octane race continued its upward spiral, CRA added Unifining and Platforming in 1958.

During the same year, a 1,200 BSD "HF" Alkylation unit was added to our Coffeyville refinery. Also at the 25,000 BSD Coffeyville refinery are these units: A 9,000 BSD Fluid Catalytic Cracking unit with gas concentration facilities, a 2,400 BSD Unifining unit, a 4,500 BSD Platforming unit and a 1,000 BSD Catalytic Polymerization unit.

In addition to these units at Coffeyville for producing gasolines and middle distillates, we produce lube oils, wax, heavy fuel oil, asphalt and coke from our furfural, vacuum and coker units.

The 3,000 BSD refinery at Scottsbluff, although small in comparison to the Phillipsburg and Coffeyville installations, utilizes a revamped thermal cracking unit and a 750 BSD Platformer to produce quality Co-op brand gasoline.

Fuels for Farmers

The bulk of our refined fuels are distributed to farmers through more than 1,700 local cooperatives serviced by CCA and CRA. CCA is the central manufacturing and distributing organization for these cooperatives covering a marketing area of all or parts of eleven states.

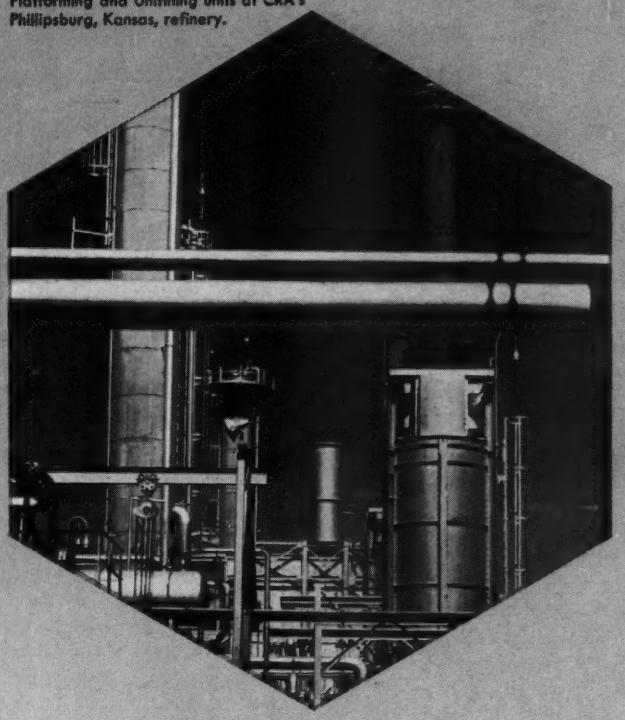
Although the majority of CRA's refined fuels are sold to farmers through tank truck delivery services, the member associations do operate a number of Co-op brand service stations. Refined products not absorbed by the farm market through these associations are sold through jobbers.

Movement of Co-op brand products is handled by a transportation fleet of 107 tractors, 49 transports, 15 LPG transports and 49 freight vans. This rolling fleet hauled 164,000,000 gallons of refined fuels and 88,320 tons of merchandise during 1959. Rounding out the transportation picture are nearly 1,000 miles of gathering and trunk pipelines in Oklahoma, Kansas and Nebraska.

Cooperative Trend Spurs Growth

The story behind CCA's rapid growth extends into the many hundreds of communities where member associations are situated. It is a story of growth for retail cooperatives as well as for the central wholesale and manufacturing organization. Over the years, this growth has been backed by the improvement of CRA's processing methods to consistently permit the marketing of quality petroleum products. And clearly a part of this progress are the contributions of UOP technology working hand-in-hand with CRA to achieve its goals.

Platforming and Unifining units at CRA's Phillipsburg, Kansas, refinery.



Platforming and Unifining Units Supply Top Quality Gasoline and Tractor Fuel

UOP

UNIVERSAL OIL PRODUCTS COMPANY

30 Algonquin Road, Des Plaines, Illinois, U.S.A.

WHERE RESEARCH TODAY MEANS PROGRESS TOMORROW

*Trademark

Mary Gist

Los Angeles D&D Installs Officers

Mary Gist of Ehrhart & Associates, Inc., was installed as the new president of the Los Angeles Desk and Derrick Club on June 20th.

Marjorie Sewell, public relations representative for the Southern California Gas Company, was the speaker at this installation meeting held in the Music Room of the Biltmore Hotel. Her subject was "Teach Yourself to Wonder," stressing the importance of broadening one's fields of interest and knowledge.

Other officers for the 1961-62 term of office are: Winifred Marsh, first vice president; Margaret Means, second vice president; Lee Twible, recording secretary; Paula Cohen, corresponding secretary; Ann Delporte, treasurer; Marion Lee, Ann Tully, Effie Bleakley and Muriel Oakland, directors.

Petroleum Accountants Society Elects New Officers

The Petroleum Accountants Society of Los Angeles recently elected the following officers and directors for the fiscal year ending May 31, 1962:

W. F. Crooks, General Exploration Co. of California, president; W. W. Gamel, Richfield Oil Corp., 1st vice president; W. C. Nero, Union Oil Co. of California, 2nd vice president; and C. W. Patterson, Standard Oil Co. of California, secretary-treasurer. Other directors are J. F. Duncan, Shell Oil Co.; S. H. Durkee, The Superior Oil Co.; C. E. White, Mobil Oil Co.; and C. D. Signorelli, Tidewater Oil Co.

NOMADS' WHINGDING

A golf tournament, a banquet, a wow of a floor show and door prizes will again feature the Nomads' Annual Whingding to be held at the Lakewood Country Club on Friday, July 14th. Charlie King of Baker Oil Tools, Nomad president, has been spark-plugging the event, which will be under the supervision of Lee Laird of Ladish Pacific Division with the able assistance of Bill Goertz of Monarch Engineering Corp. As usual, the golf tournament will be ably handled by Chili Sutton of Oil Well Mfg. Company.

Nomads and their guests will start off the golf tournament at 8:30 a.m. with tee-off time ending at 1 o'clock. The prizes for this event will be awarded by the Calloway system and duplicate prizes will be given to Nomads and guests. A social hour will start at any time in the afternoon, with Francine Fay, an accordionist, helping with the barber-shop chords from 5:30 to 7:30. At 6:30 dinner will be served and immediately following this the golf prizes and door prizes will be awarded. Then comes the big show with plenty of comedy under the guidance of Jimmy Ames, master of ceremonies, who spends much of his time in Las Vegas. Audience participation will be featured and of course there will be a couple of numbers of exotic dancing. Anyone who does not know what "exotic dancing" is can keep his eyes on the girl's feet during her entire performance.

NACE Regional Meeting Set for Houston October 24-27

South Central Region of National Association of Corrosion Engineers will hold its 1961 Conference and Exhibition October 24-27 at the Shamrock Hotel. Symposia consisting of technical papers mostly on industrial corrosion and particularly about the petroleum and petrochemical industries will be presented.

An exhibition will be held in the Shamrock Hall of Exhibits. Information on the exhibition can be obtained from NACE, 1061 M & M Building, Houston 2, Texas.

INTERNATIONAL GUESTS at the June 14, 1961, meeting of the Los Angeles Chapter of Nomads. Left to right: (seated) George Oberst of Colombia Pet. Co. from Colombia; H. M. Heath of Colombia Pet. Co. from Colombia; Frank De Jarnett of I.P.C. from Iraq; W. C. Kerby of Camdrill from Libya; Rudy Anderson of Santa Fe Drilling Co. from Iran; (standing) R. Bajekal of Greaves Cotton & Co. from India; J. A. Graser of Oasis from Libya; Harry Bovie of I.P.C. from Iraq; John Reeves, Jr., of Baker Transworld from Venezuela; C. W. Parker of Camdrill from Libya; Nomad H. J. Hollingsworth of Petrobras from Brazil; Dick Jewell of Int. Ind. Service from Libya; Marv Williams of Aminol from Kuwait.

GOOD MEN GOOD TOOLS

Dependable remedial and stimulation service demands both. Baker offers both.

YOU ARE LOOKING at four of the most respected well-service tools in the industry. They command respect because their performance is consistent and reliable. They have proved themselves in thousands of critical downhole operations.

Simplicity is important in service tools. A simple tool is a reliable tool—and it is easier to control when it's in the well. Simplicity of design is one important reason for the success of Baker service tools.

YOUR BAKER SERVICEMAN lives and works in your area—and he knows the well-service problems of your area.

His local knowledge is vital. It helps keep him—and you—out of unforeseen situations. It helps him sense trouble before it starts. It guides him—and you—when you get into something you couldn't anticipate.

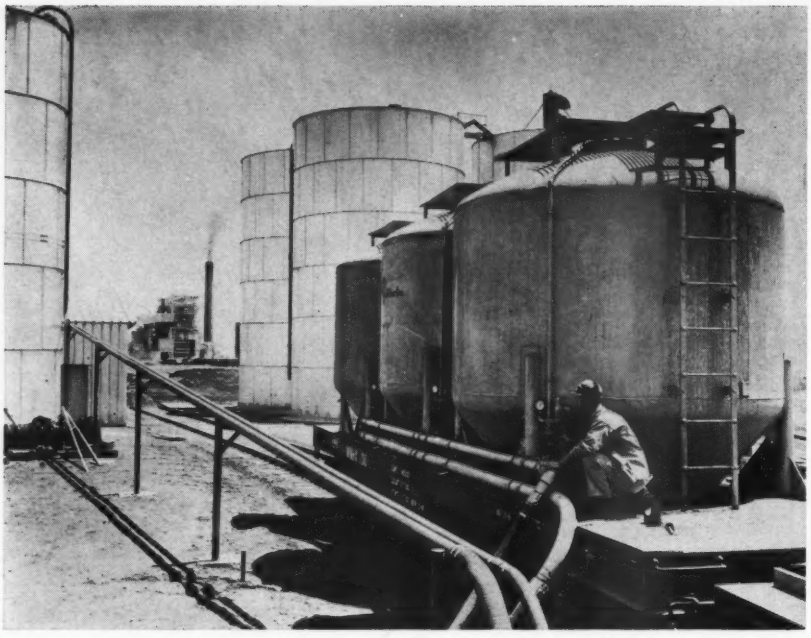
A Baker Serviceman does his work with confidence and authority. He knows his area, and he knows Baker tools. He's a tool specialist. Baker tools are his *only* business. He's a good man to call for your next remedial or stimulation job.

Baker provides the right tool (or tools) and accessories for any remedial or stimulation job.

1 Baker Retrievable Full-bore Cementer (Product 410) is an important squeeze cementing, fracturing, acidizing, testing packer. It is teamed with **2** Baker Retrievable Bridge Plug (Product 677-C) in straddle operations, either single-zone or selective multiple-zone. Cementer and Plug together can straddle a virtually unlimited distance. And any number of zones can be treated in one round trip. **3** Baker Drillable Cement Retainer (Product 400) sets the industry standard for dependable high-performance squeeze cementing. **4** Baker Drillable Wire Line Bridge Plug (Product 400-N) is the industry's most available and most reliable bridge plug.

BAKER REMEDIAL AND STIMULATION TOOLS

BAKER OIL TOOLS, INC. HOUSTON / LOS ANGELES / NEW YORK



New pneumatic tank-type railway car carries 2400 cu. ft. of dry material, discharges directly by jet air pressure and can be unloaded by one man in 30 minutes. It was developed by Halliburton Company, Duncan, Okla., and is being produced and marketed under a cooperative program by Halliburton's Special Products division and the Pullman-Standard division of Pullman, Inc., Chicago. In photo, the car is unloading flyash at the Ladue, Mo., plant of Western Flyash Co.

Halliburton and Pullman-Standard Market New Pressure Tank Rail Car

A new tank-type rail car designed for discharging bulk materials by air pressure directly into a plant, storage bin or highway vehicle will be produced and marketed under a cooperative program announced by L. B. Meaders, president, Halliburton Company, which specializes in oil well servicing, and J. W. Scallan, president, Pullman-Standard division of Pullman Incorporated, Chicago, the nation's leading railroad car builder. This new type of equipment also will be offered for lease by Transport Leasing Company, a Pullman Incorporated subsidiary.

The special pneumatic system incorporated in the tank-type rail car was developed for use by Halliburton in its handling of over a half-billion sacks of dry material and has been in use for more than ten years in plants, highway trailers and barges. The new 70-ton-capacity car has test-handled barite, bentonite, lime, sand, pelletized carbon black, crushed carbon coke, calcined petroleum coke and flyash, and is permanently fitted with three teardrop-shaped tanks, each of 800-cubic-foot capacity, piped for pneumatic unloading. Load limit of the car is 152,000 pounds.

Unloading requires only a hose connection in the car and a supply of compressed air, thus eliminating the need for any intermediate transfer systems between the car and storage bins. The tanks are virtually self-cleaning because of the patented aeration jet system. One man has been able to completely unload the car in 30 minutes directly to storage bins without interfering with plant operation. This is about one-third of the time required for several men to unload one conventional covered hopper car.

Versatility is one of the new car's advantages. Tanks may be coated on the inside to accommodate foodstuffs and chemicals, both granular and liquid. To date it has handled products varying in density from 16 pounds to 168 pounds per cubic foot. Although these are not the limits the system has conveyed some materials up to 40 cubic feet per minute at distances of 1400 feet with 100 foot rise. Delivery of material from the car to any point in the plant is possible with conveying lines easy to curve around corners and beams and traverse various levels. Little if any modification of present plant structures is necessary to receive material from the new car.

National Supply Moves Oil Field Sales to Dallas

Administrative functions of the Oil Field Sales Department, National Supply Division, Armco Steel Corporation, were moved to Dallas, Texas, effective May 15.

About 35 employees from the general offices in Pittsburgh have been transferred to Dallas.

The executive offices of National Supply, its staff departments and the General Sales Headquarters of the Tubular Department will remain in Pittsburgh.

Headed by T. B. Herndon, manager of oil field sales, the group that moved also includes the sales managers for drilling, production, and merchandising products, the manager of inventory control, the manager of the general sales office, the purchasing agent for merchandising products, and members of their staffs.

The new headquarters of the department are in the Dallas Federal Savings Building. The Dallas area sales organization and the Tubular Sales Department's field engineering staff will continue to have offices in the building.

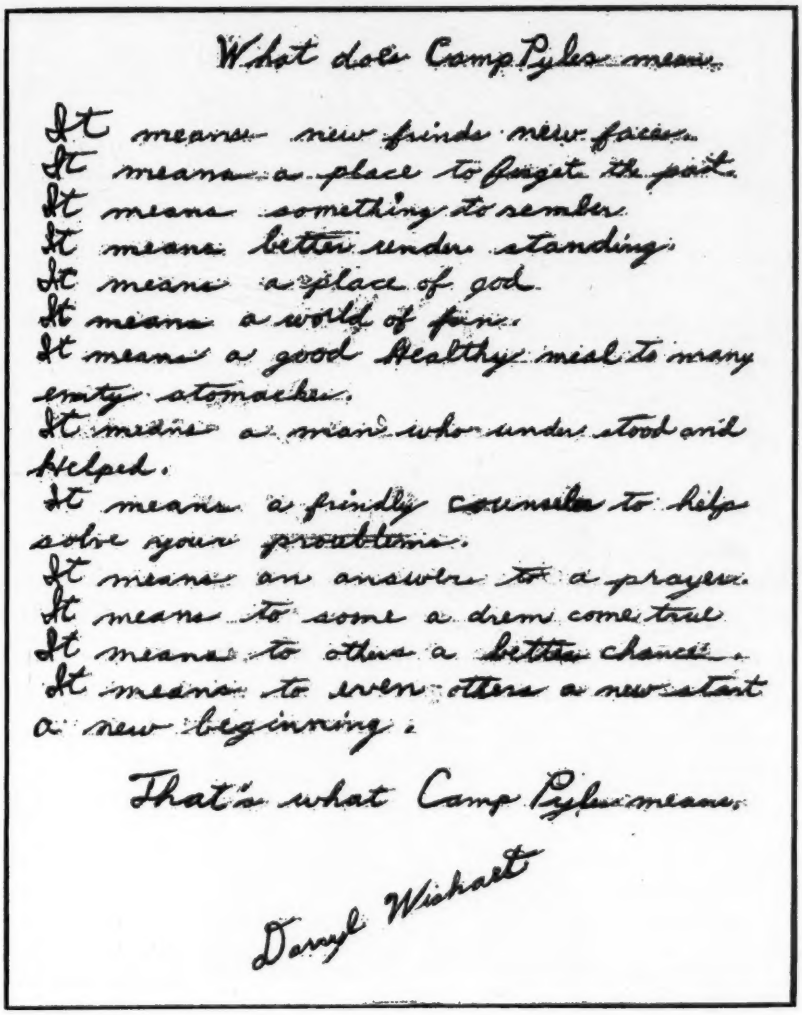
National Supply, which is one of the world's largest manufacturers and distributors of oil field machinery and equipment, has pipe mills in the Pittsburgh area, and machinery plants at Gainesville and Houston, Texas, and Los Nietos and Torrance, Calif.

Dresser Expands West Coast Facilities

The opening of a new warehouse in Los Angeles to serve customers in Southern California and Arizona was announced recently by James M. Hughes, sales manager, Dresser Manufacturing Division, Dresser Industries, Inc. The warehouse opened June 15th and stocks the Dresser company's line of pipe couplings, pipe fittings and repair devices.

The new Los Angeles Dresser warehouse is located at 3409 Medford Street, Los Angeles 63. Phone ANgelus 9-1157.

Dresser Manufacturing Division furnishes piping products to the gas utilities and gas transmission companies, to water utilities, chemical, oil and manufacturing industries.



What does Camp Pyles mean.

It means new friends new faces.
It means a place to forget the past.
It means something to remember.
It means better understanding.
It means a place of god.
It means a world of fun.
It means a good Healthy meal to many empty stomaches.
It means a man who understood and helped.
It means a friendly counselor to help solve your problems.
It means an answer to a prayer.
It means to some a dream come true.
It means to others a better chance.
It means to even others a new start a new beginning.

That's what Camp Pyles means.

Daryl Wishart

This letter to the R. M. PYLES BOYS CAMP from one of our boys speaks for itself.

This is the Oil Industry's Camp and is supported exclusively by the industry.

A telephone call to camp headquarters or the Finance Chairman, Frank Morgan, (MA 7-5797), will tell you what is needed and our objectives this year.

THE DIRECTORS, R. M. PYLES BOYS CAMP
P.O. Box 444, Huntington Beach, California
Phone: LE 6-6519

R. M. Pyles, President
L. L. Aubert
S. F. Bowlby
O. W. Chonette
M. N. D'Evelyn
Rollin Eckis
F. E. Fairfield
R. H. Green
H. R. Hamilton
J. W. Hancock
J. M. Hillman
L. L. Hillman
Fritz Huntsinger
Warren C. Johnson
K. W. Kendrick
K. T. McCamman
John R. McMillan
P. S. Magruder
Marcus Mattson
Frank A. Morgan
Lee S. Osborne
E. A. Pellegrin
A. C. Rubel
R. C. Schweitzer
George O. Suman
Stender Sweeney
Dudley Tower
R. R. Von Hagen

(Ad Courtesy California Oil World)

Cementing in "Hot Holes" Helped by Silica Flour

Serious loss of strength in cementing compositions placed in high temperature (above 230°F.) wells can be controlled by adding silica flour to the slurry, Halliburton Company announced recently.

The patented additive is a finely ground, minus 200 mesh silica. It has the consistency of face powder.

Halliburton's studies of strength retrogression in high temperature cementing disclosed that, contrary to general opinion, compressive strength decreases with an increase in temperature. This is especially pronounced above 230°F. and is true of all Portland-type cements.

Extensive laboratory tests conducted by Halliburton indicate that maximum loss of strength occurs in the first seven to 28 days after placement, depending on temperature. A retarded API Class E cement will lose more than half of its 24-hour strength at 320°F. If bentonite is included in the slurry, the cement retrogresses to failure under the same conditions.

Halliburton recommends the use of 25 to 35 pounds of silica flour per sack of cement at temperatures up to 400°F.

In addition to minimizing strength retrogression and the accompanying increase in permeability of the set cement, silica flour provides a high strength composition and is compatible with all cements, retarders, low water loss additives, weighting and lost circulation materials.

The material has been used in approximately 500 wells with bottom hole temperatures in excess of 200°F. While most of this work has concentrated in the deep, "hot hole" areas of the Gulf Coast, the most extreme test of the material was encountered in California.

The West Coast application was for a 5,000-foot, 750°F. well drilled to tap the steam beds in the Salton Sea. Addition of 40% silica flour to the slurry stabilized the strength of the set cement sheath.

The petroleum industry's much-discussed 50,000-foot hole is expected to have a bottom hole temperature of approximately 700°F.

Loop of pipe to test meters.

Oil in a Loop

Shell Oil Company's pipe line department in Los Angeles designed this loop of pipe to test the accuracy of pipe line meters, primarily Shell's automatic custody transfer meters. Mounted on a trailer, this device is highly portable and easy to handle, an advantage over conventional calibrated tank meter provers, according to Shell. Oil is pumped through the double loop, pushing a rubber ball ahead which cleans the pipe and activates an electronic counter connected to the meter being tested. Since the capacity of the loop is known, the amount shown on the meter can be accurately compared.

Shell has made these provers with capacities of 10, 5 and 2½ barrels, and they are used to test automatic custody transfer units in Shell's Pacific Coast exploration and production area about every 30 days.

New Slim Hole Pump Permits Unrestricted Filling Of Fluid Chamber

A new D+B One-Inch Bore Slim Hole Insert Pump, for use in slim hole pumping wells employing 1¼", 1½" and 1¾" nominal ID tubing string, has been introduced by Continental-Emsco Company.

The design of this pump permits unrestricted filling of the fluid chamber, assuring greater pump efficiency and fluid compression to assist in eliminating gas lock.

Continental-Emsco's new pump features a precision honed barrel tube, chrome-plated pin end plunger, armored cages, superloy balls and seats, and a three-cup bottom hold-down.

Pump lengths range to 24 feet with a maximum stroke of 205 inches. There is a sucker rod pin connection on top of the pump for ½" sucker rods.

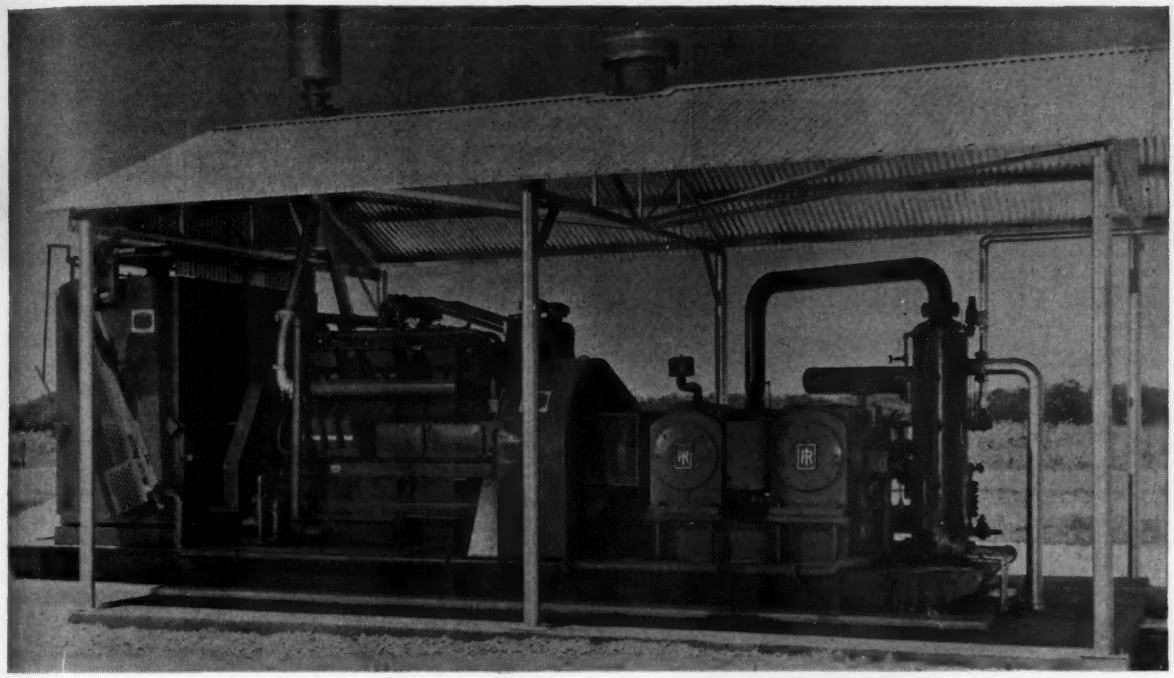
New Schlumberger Cement Bond Log Now Available

"How good is my cement job?" is a question that can now be answered by Schlumberger Well Surveying Corporation, according to a report just issued on its new Cement Bond Log.

Now available in California and Alaska, this logging device indicates not only the presence of cement behind the casing but also the effectiveness of cementation.

Schlumberger has performed over 250 successful cement bond logging operations in this area in both new and workover wells. Many of the logs were run in conjunction with water shut-off work, where their use resulted in eliminating a considerable number of shooting and testing operations.

For complete information on this new device, write Schlumberger Well Surveying Corporation, Pacific Coast Area, 612 South Flower St., Los Angeles 17, Calif.



500 H.P. Caterpillar engine, driving compressor, boosts well head pressure from 300 psi to 900 psi for gas pipeline distribution.

these SECO leased "CATS"®

work for "PEANUTS" on all power requirements!

GAS COMPRESSION

- PUMPING • DRILLING
- WATER WELLS • WATER FLOOD
- GAS COMPRESSION
- PIPE LINE PUMPING • COTTON GINS
- FIELD GENERATORS

WATER WELLS

NO CAPITAL INVESTMENT, NO INSTALLATION COST, NO MAINTENANCE

No power matches the economy of SECO LONG-RUN GAS ENGINES! You use the fuel right under your feet, part of your everyday production. Or run these engines from any gas distribution pipeline.

COTTON GINS

FIELD GENERATORS

DRILLING

Total expense, including *monthly leasing fee, installation, and complete maintenance,* costs only 5 to 8 mils per HP/hr!—*40% cheaper than your present electric bill!* Further, you save the investment in capital equipment and eliminate all need for maintenance crews and equipment attention. SECO furnishes this service as part of its lease agreement.

OUTRIGHT PURCHASE—If you prefer to own your engines outright, power costs drop to 4 to 6 mils per HP/hr.; 50% cheaper than electricity!

WHATEVER YOUR POWER NEEDS—Call SECO for full data on gas engine leasing or purchase. Handy SECO offices in principal oil producing areas insure efficient installation service and regular maintenance with trained crews. *Here is a proven way to cut operating costs with complete dependability plus many other advantages!*

Heavy-duty "CAT"® gas engines can be supplied on lease or purchase in power ranges from 150 to 500 H.P. for any application requirement. SECO also supplies M-M gas engines from 10 H.P. to 100 H.P. continuous.

PIPE LINE PUMPING

Write for cost comparison data showing savings of SECO engines vs. your present power system!

SHRIMPTON MANUFACTURING & SUPPLY CO., INC.
Sales & Service

SECO SERVICE COMPANY, INC.
Leasing

5400 Jillson St., Los Angeles 22
RAymond 3-6549
VENTURA • BAKERSFIELD • ODESSA, TEXAS

Field Development

LOS ANGELES BASIN

Brea-Olinda Deep Test

Union Oil Company of Calif. has graded location for Naranjal No. 54-3 on the northwest quarter of Section 3-3s-10w. Proposed depth of the test is 9500 feet.

Culver City Completion

Trigood Oil Company completed Trigood-MGM No. 1 pumping 190 b/d of 21.5 gravity oil cutting approximately 25 per cent. The well is producing from the interval 5550-6990 feet and was drilled to a total depth of 7031 feet. 7" casing is cemented at 7030 feet. The completion is located near the intersection of Jefferson and Overland Boulevards on the southwest quarter of Section 7-2s-14w.

Sunray Wildcat Abandoned

Sunray Mid-Continent Oil Company drilled to a total depth of 3476 feet on Fred H. Bixby Ranch Co. No. 1 and after running logs plugged and abandoned the well. The test was located on the northeast quarter of Section 20-2s-10w in the Puente area about 1½ miles north of the Sansinena Field.

Torrance Development

Socony Mobil Oil Company, Inc., is moving in rotary to drill Poggi No. 34 located near the intersection of Figueroa and the north line of the lease on Section 30-4s-13w. The location falls ¼ mile east of Poggi No. 33, which was recently completed for 135 b/d of 30 gravity oil cutting 30 per cent from the interval 4848-5240 feet.

The Superior Oil Company has started Joughin No. 69 located in the northwest quarter of Section 30-4s-13w near the southwest corner of Parcel F of the Joughin Subdivision. Clyde Simpson has the drilling contract.

Tapia Area

Roy Ferguson has spudded in on Louise No. 1 located on the northeast quarter of Section 31-5n-16w in Los Angeles County, about 250 feet east of the Crown Petroleum Gas Co., Ltd.'s Dodge No. 1 well completed in 1958 at a total depth of 1376 feet plugged to 1100 feet.

Inglewood Completion

Standard Oil Company of Calif. completed LAI-1 No. 187 flowing 546 b/d of 29.9 gravity oil with a cut of less than one per cent and pressures of 680/170 psi. Total depth of the completion is 6865 feet, with 7" casing cemented at 5830 feet. The completion is located on Section 17-2s-14w.

SAN JOAQUIN VALLEY

Elk Hills Outpost

Santa Fe Drilling Company is drilling below 2700 feet on British-American-USL No. 1 located on the southwest quarter of Section 2-30s-22e. The wildcat test is about two miles northwest of the Elk Hills Field.

Richfield Oil Outpost

Richfield Oil Corp. is preparing to drill KCL-H No. 13-15 located on the northwest quarter of Section 15-11n-21w. Richfield's location is on the southeast edge of the San Emidio Field and is two locations south of production.

Delano Test Abandoned

Reserve Oil & Gas Co. re-entered the abandoned General Petroleum Corp.'s Stiles No. 1 and after redrilling from 2000 feet to 4985 feet re-abandoned the well. Located on the southwest quarter of Section 35-25s-25e, the well was first drilled to a total depth of 5769 feet and abandoned in 1928.

Socony Mobil Wildcat

Socony Mobil Oil Company, Inc., is grading roads and location for Signal-KCL No. 66-17 to be drilled on the southeast quarter of Section 17-30s-27e. The rig site is 1½ miles east of the East Gosford production and will test the Stevens Sand at approximately 10,200 feet.

King City Area Wildcat

L. A. Harnish & Associates have staked location for Smart No. 34-3 on the southwest quarter of Section 3-20s-7e in Monterey County. The location falls about five miles west of King City and will be drilled to approximately 4500 feet. The leases were acquired on an assignment from William P. Lasher.

Signal Wildcat

Signal Oil and Gas Company is grading location for S.P. No. 27-3 located on the southwest quarter of Section 3-19s-16e in Fresno County. Signal's location is 2½ miles northeast of the East Coalinga Oil Field.

South Gosford Completion

Universal Consolidated Oil Company completed KCY No. 85X-26 flowing 267 b/d oil with a cut of 5 per cent through a 16/64" bean with a flow pressure of 495 psi from the Upper Stevens perforated at three intervals between 9800-9967 feet. From the Lower Stevens perforations 10,094-10,202 feet flow was 357 b/d with a cut of 0.2 per cent through a 16/64" bean with 510 psi flow pressure. Located on the southeast quarter of Section 26-30s-26e, the well was drilled to a total depth of 10,300 feet and has 7" casing cemented at 10,290 feet.

Kern County Wildcat Abandoned

Ferguson and Bosworth drilled to a total depth of 13,617 feet on Shell Fee No. 1 and after running logs plugged and abandoned the well. Location of the test was on the Buena Vista Nose in the northeast quarter of Section 30-32s-26e four miles southwest of the Paloma Field.

Mountain View Field

Dolley, Morton and Dolley are preparing to spud Symons-Bankline No. 9 located on the southwest quarter of Section 4-31s-29e.

Buena Vista Field

Honolulu Oil Corp., Operator, is moving in rotary to drill Well No. 543-6D located on the northeast

quarter of Section 6-32s-24e.

Midway-Sunset Area

Albert Stevenson, Los Angeles Operator, is preparing to drill Stevenson-Mobil No. 1, a 12,000-foot test located on the center of Section 6-11n-23w. The drilling will be contracted.

NORTHERN CALIFORNIA

Occidental Outpost Test

Occidental Petroleum Corp. is drilling below 5000 feet on Myers-Marsh No. 1 located on the northwest quarter of Section 9-13n-2w in Colusa County. Occidental's test will be drilled to about 6500 feet and is a southwest offset to the Gulf Oil Corp.'s Unit 1 No. 1 recently completed flowing 4300 mcf of gas per day.

Dunnigan Hills Gas Test

Richfield Oil Corp. cemented 10¾" casing at 1184 feet and is making hole ahead below 2200 feet on ROCO-Mauler No. 62-3. Located on the northeast quarter of Section 3-10n-1w in Yolo County, the well will test the Upper Cretaceous Sands.

McMullin Ranch

Great Basins Petroleum Co. is drilling below 4500 feet on Gulf-Bucher No. 27-19 located on the southwest quarter of Section 19-2s-7e in San Joaquin County. The location falls eight miles south of the town of Stockton.

Solano County Abandonment

Kern Oil California Limited abandoned Ostrom Unit 1 No. 1, after running logs, at a total depth of 6000 feet. The wildcat was located on the northeast quarter of Section 2-5n-3e two miles northeast of the Liberty Cut Gas Field.

Trico Oil & Gas Wildcat

Trico Oil & Gas Company is drilling below 6500 feet on Wallace No. 1 located on the northwest quarter of Section 5-14n-1w in Colusa County. The test will be drilled to about 8500 feet and is 1½ miles west of production at the West Grimes Gas Field.

Honolulu Test

Honolulu Oil Corp. is moving in rotary to drill Honolulu-Humble-Durham Unit No. 3 located on the southwest quarter of Section 8-17n-1w in Colusa County. The outpost is located ½ mile northeast of production at the Compton Landing Gas Field.

Stanislaus County Wildcat

Eddie LeBaron, Los Angeles Operator, is preparing to drill Covell No. 1 located on the southeast quarter of Section 13-6s-7e. The test is in the Patterson area and will be drilled to about 5000 feet.

North Natomas Gas Test

Buttes Gas & Oil Company is drilling below 6100 feet on American Unit No. 1 located on the southwest quarter of Section 12-11n-3e in Sutter County. This is a joint test with Randolph & Associates and will be drilled to about 7000 feet. Nearest production is at the Natomas Gas Field about 5 miles south.

Cameron Gas Test

Cameron Oil Company is drilling below 3000 feet on Grimes Operating Unit 5 No. 2 located on the southwest quarter of Section 5-14n-1e in Colusa County. The well is located between two of Cameron's producers and will be drilled to approximately 8500 feet.

Gulf Gas Test

Gulf Oil Corp. of Calif. is grading rig site for Unit 15 No. 1 to be drilled on the center of the northwest quarter of Section 15-14n-1w in Colusa County. The location falls ½ mile south of production at the West Grimes Gas Field.

Bunker Outpost

G. E. Kadane & Sons are drilling below 1600 feet on Union-Anderson No. 2 located on the northwest quarter of Section 13-6n-1e in Solano County at the northwest edge of the Bunker Gas Field. The well is a northwest outpost to the field and will be drilled to about 7500 feet.

Humble Gas Test

Humble Oil & Refining Company is grading location for Holly Sugar Corp. No. 1 to be drilled on the southeast quarter of Section 8-2s-5e in San Joaquin County. Nearest production is at the Tracy Gas Field two miles to the southwest.

Thornton Area

Standard Oil Co. will drill McCormack-Williamson No. 9, a 12,500-foot test located on the northwest quarter of Section 25-5n-4e in Sacramento County. The drilling will be contracted.

Hollister Area Wildcat

Petrolex, Inc., has spudded in on San Clement No. 1 located on the northeast quarter of Section 29-12s-5e in San Benito County and ¼ mile southwest of its San Sebastian No.

Johnston Stainless Welding Rods

PROVEN QUALITY SINCE 1931

•

JOHNSTON STAINLESS WELDING RODS INC.

1845 E. 57th St. - Los Angeles 58, Calif.

LUdlow 8-2508

1 well, completed at a total depth of 3500 feet.

Galt Area

Ben Owens Drilling Company is drilling below 3100 feet on Bowen No. 1 located on the southeast quarter of Section 34-5n-6e in Sacramento County. This wildcat test is about ½ mile southeast of the town of Galt and two miles northwest of the Galt Gas Field.

COASTAL AREA

Santa Barbara County

Texaco Inc. is preparing to drill State 2725.1 Well No. 1 on projected Section 18-4n-33w. The location is 1¾ miles offshore from Gaviota.

Pauley Petroleum Wildcat

Pauley Petroleum, Inc., has staked location for Pauley-Gila No. 1 on the northeast quarter of Section 4-4n-30w in Santa Barbara County. The well will be a 6500-foot Sespe test and is about 3000 feet east of the Capitan Field.

Deep Test at Total Depth

Shell Oil Company reached a total depth of 17,440 feet on Sloan No. 1 and landed a 4½" liner at 17,312 feet with perforations from 16,792-17,312 feet. 7" casing is cemented at 16,805 feet. The test is located on the southwest quarter of Section 28-4n-18w south of the town of Piru.

Texaco Test

Texaco Inc. is grading location for Sespe-McNab No. 6 to be drilled on the southeast quarter of Section 24-4n-20w. The well is on the northeast edge of the Fillmore Field and will test the Sespe.

Ventura County Wildcat

Central Lease, Inc., is starting Simi No. 30 located on the southwest quarter of Section 35-3n-19w in the Moorpark area. Proposed depth of the wildcat is 2500 feet.

Richfield Oil Wildcat

Richfield Oil Corp. is grading roads and rig site for Loel-Maxwell No. 3 to be drilled on the southwest quarter of Section 16-4n-20w. The location falls 1½ miles east of the Timber Canyon Field.

Temescal Outpost Test

Ginger Oil Company has staked location for Aggie No. 1, an outpost test of the Temescal Field, located on the northwest quarter of Section 4-4n-18w and about 1000 feet north of production.

Fillmore Outpost

Standard Oil Company is preparing to drill Cutadal No. 1 located on the northwest quarter of Section 19-4n-19w. The well will be drilled to about 14,000 feet and is ¼ mile west of present production.

OTHER AREAS

Alaska

Standard Oil Company-Richfield Oil Corp. completed three wells in the Swanson River field during the month of June. SCU No. 41-9, located on the northeast quarter of Section 9-7n-9w, was completed at a total depth of 10,852 feet flowing 550 b/d and SRU No. 21-15 located on the northwest quarter of Section 15-8n-9w was good for 365 b/d from a total depth of 11,344 feet. On the southwest quarter of Section 33-8n-9w, SRU No. 23-33 was drilled to a total depth of 10,895 feet and was completed flowing 300 b/d. The operators are currently drilling below 3000 feet on SCU No. 41-8 located on the northeast quarter of Section 8-7n-9w and a location has been staked for SRU No. 43-28 on the southeast quarter of Section 28-8n-9w.

Montana

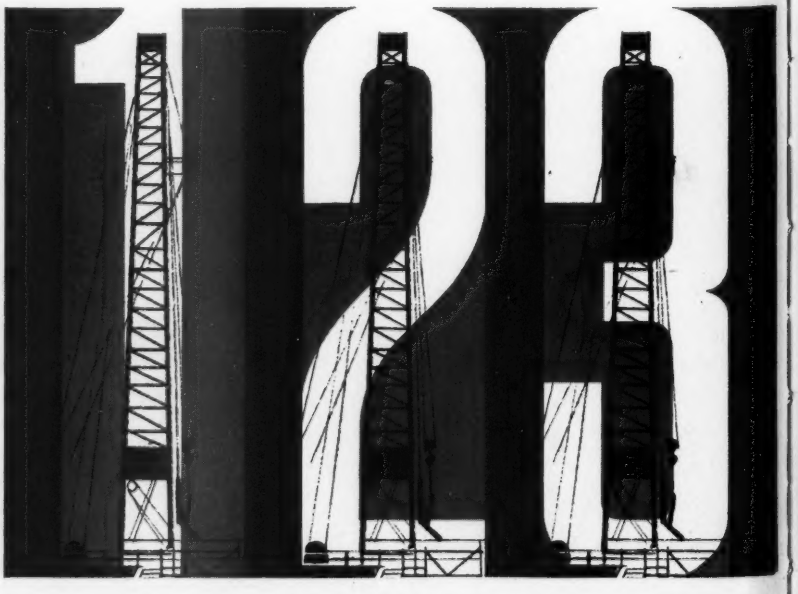
Cardinal Petroleum Co. has staked locations for two Toole County wildcats to test the Madison. Clarkson No. 1, a 3000-foot test, is located on the northeast quarter of Section 21-32n-1e four miles southwest of gas production at the Devon Field, and Morris No. 1A will be drilled on the northeast quarter of Section 5-35n-3e about three miles northeast of the Gold Butte Gas Field.

McAlester Fuel Company is preparing to drill Christian No. 1-A, a Toole County wildcat, located on the northeast quarter of Section 9-37n-2e. The location is in the Arch Apex area about 10 miles west of production at the Whitlash Field, and will test the Madison at about 3000 feet.

Union Oil Company of Calif. is preparing to drill Tribal-2605 No. 1 located on the southeast quarter of Section 16-36n-5w in Glacier County. Union's wildcat is 15 miles north of the town of Cut Bank and will

THESE ARE BUSY RIGS ...IN THE SACRAMENTO VALLEY

Unequalled service in Northern California



test the Madison at about 3450 feet.

New Mexico

Paul F. Rutledge completed Navajo-Ute-A No. 1 as a new Gallup discovery pumping 8 b/d of 39 gravity oil from the perforated interval 1487-1617 feet. Located on the southeast quarter of Section 8-31n-16w north of the Horseshoe-Gallup pool in San Juan County, the wildcat was drilled to a total depth of 1734 feet and cemented 4½" casing on bottom.

Continental Oil Company completed Table Mesa No. 3-18 flowing 21,500 mcf of gas per day with a helium content of 5 per cent and 15 barrels of condensate per 1000 mcf gas. Continental's completion is a Paradox discovery and is producing from the perforated interval 7097-7113 feet. Located at Table Mesa on the northwest quarter of Section 3-27n-17w in San Juan County, the well was drilled to a total depth of 7114 feet and cemented 5½" casing at 7113 feet.

Four miles southeast of the Four Corners Field, British-American Oil Producing Co. is grading roads and rig site for Navajo-E No. 1 to be drilled on the northwest quarter of Section 15-31n-20w in San Juan County. A deep test of the area, the well will be bottomed at about 7300 feet in pre-Cambrian. This will be the first test in the Township in the southeastern part of the Paradox Basin.

Utah

Great Yellowstone Corp. completed Unit No. 1, its Grand County wildcat, as a new field discovery flowing approximately 2000 mcf of gas per day from the Dakota perforations 5186-5195 and 5224-5234 feet. Flow was through a 14/64" bean with a flow pressure of 1280 psi. Located on the Book Cliffs Unit on the southeast quarter of Section 32-18s-22e, the discovery was drilled to a total depth of 5700 feet and cemented 5½" casing at 5382 feet.

Amerada Petroleum Corp. is grading roads and rig site for Strat No. 1-354 to be drilled on the northeast quarter of Section 28-23s-10e in Emery County. The wildcat is in the San Rafael Swell area and will be a shallow Mississippian test.

Washington

Humble Oil & Refining Company is preparing to spud Sunshine Mining-Allar State No. 1 located on the southwest quarter of Section 24 in the Aloha area. Located on a farmout from the Sunshine Mining Co., the test will be drilled to about 5000 feet.

Wyoming

Shell Oil Company completed Gov't. No. 1 as a new field discovery flowing 2600 mcf of gas per day and 40 barrels per day condensate on an open flow potential test. Production is from the Lower Fort Union perforations 9138-9144 feet. Located on the southwest quarter of Section 3-37n-92w on the Dinty Moore Reservoir Unit of Fremont County, Shell's discovery was drilled to a total depth of 10,000 feet and cemented 5½" casing on bottom.

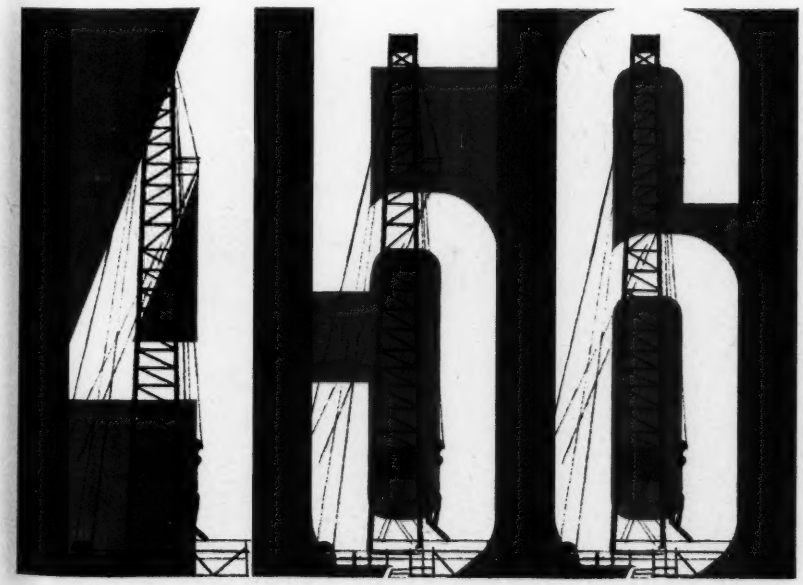
McCulloch Oil Corp. of Calif. has staked location for Government-Miller No. 1 on the southwest quarter of Section 11-56n-69w in Campbell County. The well will be a 5600 foot Minnelusa test. Rig site is about three miles southeast of its apparent discovery, Government-Gentry No. 1, pumping at a 280 b/d rate with a 25 per cent cut.

New Dowell Bulletin on Fluid Loss Additive

The Dowell Division of The Dow Chemical Company has issued a bulletin on FLAC, its newly developed fluid loss additive for cement. It is a high-molecular-weight synthetic polymer which can be mixed with dry cement or the mix-water to reduce the fluid loss rates of cement slurries without seriously affecting thickening time or set strength of the cement.

By preventing the rapid dehydration of cement, according to the manufacturer, FLAC helps operators achieve an unusually high success ratio for squeeze jobs, and because of the reduction in the number of squeeze jobs required, the overall cost of remedial cementing has been lowered.

More complete information, including case histories, is contained in the bulletin, which may be obtained by writing C. J. Steward, advertising manager, Dowell, P.O. Box 536, Tulsa, Oklahoma.



Complete field headquarters and six record-breaking rigs for requirements of 4,000 to 20,000 feet.

BROWN DRILLING COMPANY

headquarters:
LONG BEACH, CALIFORNIA
1456 East Hill St.—GArfield 4-8549

field office:
WOODLAND, CALIFORNIA
P.O. Box 97—MOhawk 2-5320

THIS LAUGH OFF!!

Father: "Well, son, what did you learn in school today?"

Son (proudly): "I learned to say 'Yes, sir' and 'No, sir' and 'No, ma'am' and 'Yes, ma'am.'"

Father: "Really?"

Son: "Yeah."

The husband was sitting in the kitchen with his fish hook in a pail of water when a neighbor walked in. The neighbor asked his wife what he was up to. "I don't know what to do," said the wife. "He has been fishing in that pail for the last week. I would insist he visit the psychiatrist, but heaven knows we need the fish."

"Don't let me miss my train," said the boring visitor to his host, who was driving him to the station.

"Don't worry," said his host. "My wife'll kill me if I do."

The old couple had tried in every way they could think of to promote a match between their spinster daughter and the bachelor across the road. But he was bashful and very cautious. A year went by and with it parental hopes. However, one day the shy suitor found the father alone. Steering him behind a tree, he blurted out, "I'd propose to Susan if I knew the right way to go about it."

The old man's face beamed with pleasure. "Son," he said, "there ain't no wrong way!"

The kiddies were being taken on a tour of the mint.

"Why is it," asked one of them, "that they stamp 'In God We Trust' on the pennies?"

"That," explained the guide, "is for the benefit of people who use them for fuses."

A young lady, beaming proudly, said to a man sitting next to her on the bus:

"You probably wonder why I am so happy, but I have just been to the doctor, and after seven years of married life, he tells me that I am about to become a mother!"

"Well, how wonderful!" replied the man. "I'm also happy today. You see, I am a chicken raiser, and I have just developed a new strain with pink feathers and blue eyes."

"How on earth did you ever do that?"

"I introduced some new stock."

"Well, confidentially," whispered the lady, "so did I."

It's not what young girls know that bothers parents. It's how they found out!

Just Say---

YES! You may send me the CALIFORNIA OIL WORLD for one year, for which I enclose $1.00.

Name.....

Address.....

City.....State.....

Position.....Company.....

Check branch engaged in Producing..... Refining..... Natural Gasoline..... Marketing..... Manufacturing.....

Subscriptions accepted only from persons actively connected with the oil industry.

CALIFORNIA OIL WORLD

2404 West 7th Street, Los Angeles 57, California

Magnificient

Laguna Beach

CALIFORNIA

In all the world there is no more beautiful setting for a perfect vacation... superb climate, breath-taking views, wonderful recreation. And the Surf & Sand offers the ultimate in accommodations ... Lanai Suites, apartments and spacious rooms, all fine hotel services, surfside pool, private beach, smart restaurant and cocktail lounge.

Free - write for colorful brochure and free travel guide.

MEMBER CONGRESS OF MOTOR HOTELS

the Incomparable

Surf & Sand HOTEL

Outrigger

1465 S. Coast Blvd., Laguna Beach, California. Phone: HYatt 4-6574